

**Flood Control Project Maintenance  
Levee Inspections**  
**LMA District Cover Sheet**  
**Spring 2018 Levee Inspection Results**

**Reclamation District No. 1001 Nicolaus**

|                                  | Spring<br>(March - May) | Summer **<br>(June - August) | Fall<br>(September - November) | Winter **<br>(December - February) |
|----------------------------------|-------------------------|------------------------------|--------------------------------|------------------------------------|
| † Overall LMA Rating (Fall Only) |                         |                              |                                |                                    |

\*\* Non-receipt of Summer or Winter Inspection  
Reports may effect overall annual rating.

† SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2018 Levee Inspection Results**

**Reclamation District No. 1001 Nicolaus**

| Waterway                               |                         |                           | Bank                           | Unit Miles                      |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 01 Yankee Slough              |                         |                           | Right                          | 4.12                            |
|  | Spring<br>(March - May) | Summer<br>(June - August) | (September - November)<br>Fall | Winter<br>(December - February) |
| Unit Maintenance Rating<br>(Fall Only) |                         |                           |                                |                                 |
| Date of Inspection                     | 4/3/2018 - 4/3/2018     |                           |                                |                                 |
| DWR Inspector                          | Sterling York           |                           |                                |                                 |
| Accompanied By                         | Joe Henderson<br>RD1001 |                           |                                |                                 |

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway                  | Bank  | Unit Miles | Inspection Start/End     | Inspector     |
|---------------------------|-------|------------|--------------------------|---------------|
| Unit No. 01 Yankee Slough | Right | 4.12       | 04/03/2018<br>04/03/2018 | Sterling York |

|  |                                |              |                        |            |     |
|--|--------------------------------|--------------|------------------------|------------|-----|
| LM Start   |                                | Rating **    | A                      | Issue No.  | 1   |
| LM End   |                                | Issue Type + | Ma                     | Location * | N/A |
| Category   | Earthen Levee                  |              | GPS Latitude/Longitude |            |     |
|  |                                |              | Start                  | End        |     |
| Item   | Emergency Supplies & Equipment |              |                        |            |     |
| DWR ID   | DWR_RD1001_01_s_2012_1         |              |                        |            |     |
| Comment Code   |                                |              |                        |            |     |
| Inspector Comment  |                                |              |                        |            |     |
| The LMA has flood fight supplies on hand at their district office. |                                |              |                        |            |     |

No Photos

|   |                               |              |                        |            |     |
|---|-------------------------------|--------------|------------------------|------------|-----|
| LM Start  |                               | Rating **    | A                      | Issue No.  | 2   |
| LM End  |                               | Issue Type + | Ma                     | Location * | N/A |
| Category  | Earthen Levee                 |              | GPS Latitude/Longitude |            |     |
|   |                               |              | Start                  | End        |     |
| Item  | Flood Preparedness & Training |              |                        |            |     |
| DWR ID  | DWR_RD1001_01_s_2012_2        |              |                        |            |     |
| Comment Code  |                               |              |                        |            |     |
| Inspector Comment   |                               |              |                        |            |     |
| The LMA participates in the flood fight class put on by RD784 and DWR annually. |                               |              |                        |            |     |

No Photos

|   |                                  |              |                        |            |     |
|---|----------------------------------|--------------|------------------------|------------|-----|
| LM Start  |                                  | Rating **    | A                      | Issue No.  | 3   |
| LM End  |                                  | Issue Type + | Ma                     | Location * | N/A |
| Category  | Earthen Levee                    |              | GPS Latitude/Longitude |            |     |
|   |                                  |              | Start                  | End        |     |
| Item  | Operations & Maintenance Manuals |              |                        |            |     |
| DWR ID  | DWR_RD1001_01_s_2012_3           |              |                        |            |     |
| Comment Code  |                                  |              |                        |            |     |
| Inspector Comment   |                                  |              |                        |            |     |
| The LMA has a copy of the O&M manuals at the district office. |                                  |              |                        |            |     |

No Photos

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway                  | Bank  | Unit Miles | Inspection Start/End     | Inspector     |
|---------------------------|-------|------------|--------------------------|---------------|
| Unit No. 01 Yankee Slough | Right | 4.12       | 04/03/2018<br>04/03/2018 | Sterling York |

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 0.02                    | Rating **    | A  | Issue No.              | 11            |
| LM End   | 3.83                    | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Vegetation              |              |    | 38.980099 °            | 38.966746 °   |
|  |                         |              |    | -121.470405 °          | -121.533402 ° |
| DWR ID   | DWR_RD1001_01_s_2018_11 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| V1 : Control annual grass and weeds on the levee slopes and easements. |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
| Annual vegetation is well maintained, Spring 2018.                     |                         |              |    |                        |               |

Photo 1 of 2 : SP\_2018\_RD1001\_36\_11\_20180411\_00022.jpg



View looking upstream landside of the well maintained annual vegetation, Spring 2018.

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>0.02</b> | Rating **    | A  | Issue No.  | <b>11 (cont)</b> |
| LM End   | <b>3.83</b> | Issue Type + | Ma | Location * | LS               |

Photo 2 of 2 : SP\_2018\_RD1001\_36\_11\_20180411\_00021.jpg



Second view looking upstream landside of the well maintained annual vegetation, Spring 2018.

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 0.02                    | Rating **    | A  | Issue No.              | 12            |
| LM End   | 3.83                    | Issue Type + | Ma | Location *             | WS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Vegetation              |              |    | 38.980099 °            | 38.966746 °   |
|  |                         |              |    | -121.470405 °          | -121.533403 ° |
| DWR ID   | DWR_RD1001_01_s_2018_12 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| V1 : Control annual grass and weeds on the levee slopes and easements. |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
| Annual vegetation is well maintained, Spring 2018.                     |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_36\_12\_20180411\_00024.jpg



View looking upstream waterside of the well maintained annual vegetation, Spring 2018.

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway                  | Bank  | Unit Miles | Inspection Start/End     | Inspector     |
|---------------------------|-------|------------|--------------------------|---------------|
| Unit No. 01 Yankee Slough | Right | 4.12       | 04/03/2018<br>04/03/2018 | Sterling York |

|                   |                         |              |    |                        |               |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start          | 0.37                    | Rating **    | U  | Issue No.              | 26            |
| LM End            | 0.37                    | Issue Type + | En | Location *             | LS            |
| Category          | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                   |                         |              |    | Start                  | End           |
| Item              | Encroachments           |              |    | 38.976294 °            | 38.976294 °   |
|                   |                         |              |    | -121.474524 °          | -121.474524 ° |
| DWR ID            | DWR_RD1001_01_f_2016_26 |              |    |                        |               |
| Comment Code      |                         |              |    |                        |               |
| PR : Prunings     |                         |              |    |                        |               |
| Inspector Comment |                         |              |    |                        |               |
|                   |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_36\_26\_20180302\_00017.jpg



View of pruning's on landside toe looking upstream. Fall 2016.

|                   |                        |              |    |                        |               |
|-------------------|------------------------|--------------|----|------------------------|---------------|
| LM Start          | 0.40                   | Rating **    | U  | Issue No.              | 9             |
| LM End            | 0.40                   | Issue Type + | En | Location *             | WS            |
| Category          | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|                   |                        |              |    | Start                  | End           |
| Item              | Encroachments          |              |    | 38.975966 °            | 38.975966 °   |
|                   |                        |              |    | -121.475003 °          | -121.475003 ° |
| DWR ID            | DWR_RD1001_01_f_2013_9 |              |    |                        |               |
| Comment Code      |                        |              |    |                        |               |
| PR : Prunings     |                        |              |    |                        |               |
| Inspector Comment |                        |              |    |                        |               |
|                   |                        |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_36\_9\_20180302\_00006.jpg



View of pruning's on waterside slope looking upstream. Fall 2016.

|                   |                         |              |    |                        |               |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start          | 0.42                    | Rating **    | M  | Issue No.              | 16            |
| LM End            | 0.42                    | Issue Type + | En | Location *             | LS            |
| Category          | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                   |                         |              |    | Start                  | End           |
| Item              | Encroachments           |              |    | 38.975782 °            | 38.975782 °   |
|                   |                         |              |    | -121.475321 °          | -121.475321 ° |
| DWR ID            | DWR_RD1001_01_s_2015_16 |              |    |                        |               |
| Comment Code      |                         |              |    |                        |               |
| DE : Debris       |                         |              |    |                        |               |
| Inspector Comment |                         |              |    |                        |               |
|                   |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_36\_16\_20180302\_00011.jpg



View looking upstream at concrete debris on landside slope, Fall 2017.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway                  | Bank  | Unit Miles | Inspection Start/End     | Inspector     |
|---------------------------|-------|------------|--------------------------|---------------|
| Unit No. 01 Yankee Slough | Right | 4.12       | 04/03/2018<br>04/03/2018 | Sterling York |

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | 0.47                    | Rating **    | M  | Issue No.              | 17            |
| LM End  | 0.47                    | Issue Type + | En | Location *             | WS            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Encroachments           |              |    | 38.975466 °            | 38.975466 °   |
|   |                         |              |    | -121.476079 °          | -121.476079 ° |
| DWR ID  | DWR_RD1001_01_s_2018_17 |              |    |                        |               |
| Comment Code  |                         |              |    |                        |               |
| PR : Prunings   |                         |              |    |                        |               |
| Inspector Comment                                       |                         |              |    |                        |               |
| Remove pruning's and debris off levee toe, Spring 2018. |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_36\_17\_20180411\_00030.jpg



This photo was taken of the landside at pruning's and debris stacked up at the levee toe. Spring 2018.

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 0.51                    | Rating **    | M  | Issue No.              | 27            |
| LM End   | 0.51                    | Issue Type + | En | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Encroachments           |              |    | 38.975308 °            | 38.975308 °   |
|  |                         |              |    | -121.476731 °          | -121.476731 ° |
| DWR ID   | DWR_RD1001_01_s_2017_27 |              |    |                        |               |
| Comment Code                                       |                         |              |    |                        |               |
| PR : Prunings                                      |                         |              |    |                        |               |
| Inspector Comment                                  |                         |              |    |                        |               |
| Debris/pruning's at landside levee toe, Fall 2017. |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_36\_27\_20180302\_00018.jpg



View of debris/pruning's at landside levee toe, Spring 2017.

\* Location  
LS : Land Side N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable N : Not Inspected/Rated  
M : Minimally Acceptable C : Corrected  
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway                  | Bank  | Unit Miles | Inspection Start/End     | Inspector     |
|---------------------------|-------|------------|--------------------------|---------------|
| Unit No. 01 Yankee Slough | Right | 4.12       | 04/03/2018<br>04/03/2018 | Sterling York |

|  |                         |              |                        |               |           |  |  |  |  |  |
|--|-------------------------|--------------|------------------------|---------------|-----------|--|--|--|--|--|
| LM Start   | <b>0.73</b>             | Rating **    | C                      | Issue No.     | <b>13</b> |  |  |  |  |  |
| LM End   | <b>0.75</b>             | Issue Type + | Ma                     | Location *    | WS        |  |  |  |  |  |
| Category   | Supplemental            |              | GPS Latitude/Longitude |               |           |  |  |  |  |  |
|  |                         |              | Start                  | End           |           |  |  |  |  |  |
| Item   | 2017 Storm Damage       |              | 38.975046 °            | 38.975038 °   |           |  |  |  |  |  |
|  |                         |              | -121.480938 °          | -121.481151 ° |           |  |  |  |  |  |
| DWR ID   | DWR_RD1001_01_f_2017_13 |              |                        |               |           |  |  |  |  |  |
| Comment Code   |                         |              |                        |               |           |  |  |  |  |  |
| Inspector Comment  |                         |              |                        |               |           |  |  |  |  |  |
| Levee Evaluation Comments<br>Description:<br>Site ID No:135<br>Site Designation:LMA-15<br>Repair Type: Erosion<br>Rating:Serious<br>Field Date:6/6/2017<br>Notes: Erosion of berm due to water flowing on berm toe road. Soil is silty sand and no veg or rock. X-section is from 1 of 2 emergency repairs that encroached into levee prism. Hole was backfilled with rock, about 7' deep. |                         |              |                        |               |           |  |  |  |  |  |

No Photos

|  |                         |              |                        |               |           |  |  |  |  |  |
|--|-------------------------|--------------|------------------------|---------------|-----------|--|--|--|--|--|
| LM Start   | <b>0.95</b>             | Rating **    | M                      | Issue No.     | <b>15</b> |  |  |  |  |  |
| LM End   | <b>0.95</b>             | Issue Type + | En                     | Location *    | LS        |  |  |  |  |  |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |  |  |  |  |  |
|  |                         |              | Start                  | End           |           |  |  |  |  |  |
| Item   | Vegetation              |              | 38.974569 °            | 38.974569 °   |           |  |  |  |  |  |
|  |                         |              | -121.484815 °          | -121.484815 ° |           |  |  |  |  |  |
| DWR ID   | DWR_RD1001_01_s_2012_15 |              |                        |               |           |  |  |  |  |  |
| Comment Code   |                         |              |                        |               |           |  |  |  |  |  |
| V6 : Landscaping   |                         |              |                        |               |           |  |  |  |  |  |
| Inspector Comment  |                         |              |                        |               |           |  |  |  |  |  |
| Landscaping needs to be removed from levee toe, Fall 2017. |                         |              |                        |               |           |  |  |  |  |  |

Photo 1 of 1 : SP\_2018\_RD1001\_36\_15\_20180302\_00010.jpg



View of the landscaping on the landside levee slope, Fall 2017.

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway                  | Bank  | Unit Miles | Inspection Start/End     | Inspector     |
|---------------------------|-------|------------|--------------------------|---------------|
| Unit No. 01 Yankee Slough | Right | 4.12       | 04/03/2018<br>04/03/2018 | Sterling York |

|  |                        |              |    |                        |               |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start   | 1.29                   | Rating **    | U  | Issue No.              | 7             |
| LM End   | 1.29                   | Issue Type + | En | Location *             | LS            |
| Category   | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|  |                        |              |    | Start                  | End           |
| Item   | Encroachments          |              |    | 38.972655 °            | 38.972655 °   |
|  |                        |              |    | -121.490643 °          | -121.490643 ° |
| DWR ID   | DWR_RD1001_01_f_2014_7 |              |    |                        |               |
| Comment Code   |                        |              |    |                        |               |
| PR : Prunings  |                        |              |    |                        |               |
| Inspector Comment  |                        |              |    |                        |               |
| Pruning's need to be removed off the levee toe, Spring 2018. |                        |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_36\_7\_20180411\_00029.jpg



This photo was taken of the landside looking upstream at prunings stacked up at the levee toe. Spring 2018.

|  |                      |              |    |                        |    |               |
|--|----------------------|--------------|----|------------------------|----|---------------|
| LM Start   | 1.53                 | Rating **    | M  | Issue No.              | 28 |               |
| LM End   | 1.53                 | Issue Type + | En | Location *             |    |               |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |    |               |
|  |                      |              |    | Start                  |    | End           |
| Item   | DWR UCIP Field Study |              |    | 38.970622 °            |    | 38.970622 °   |
|  |                      |              |    | -121.494171 °          |    | -121.494171 ° |
| DWR ID   |                      |              |    |                        |    |               |
| Comment Code   |                      |              |    |                        |    |               |
|  |                      |              |    |                        |    |               |
| Inspector Comment  |                      |              |    |                        |    |               |
| FS_ID:42016  |                      |              |    |                        |    |               |
| DS_ID:22526  |                      |              |    |                        |    |               |
| EP_NO: N/A   |                      |              |    |                        |    |               |
| Repair Type: Non-Urgent  |                      |              |    |                        |    |               |
| Crossing Status: Not Found   |                      |              |    |                        |    |               |
| UCIP Comments: Dense vegetation should be removed.                 |                      |              |    |                        |    |               |
| FIELD_STRUCT_DESC: 36-inch standpipe and service pole at the       |                      |              |    |                        |    |               |
| landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1993]. |                      |              |    |                        |    |               |
| FS Date: 5/22/2013   |                      |              |    |                        |    |               |

No Photos

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway                  | Bank  | Unit Miles | Inspection Start/End     | Inspector     |
|---------------------------|-------|------------|--------------------------|---------------|
| Unit No. 01 Yankee Slough | Right | 4.12       | 04/03/2018<br>04/03/2018 | Sterling York |

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start                                | 2.01                    | Rating **    | U  | Issue No.              | 22            |
| LM End                                  | 2.01                    | Issue Type + | En | Location *             | LS            |
| Category                                | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item                                    | Encroachments           |              |    | 38.971093 °            | 38.971093 °   |
|   |                         |              |    | -121.502895 °          | -121.502895 ° |
| DWR ID                                  | DWR_RD1001_01_f_2016_22 |              |    |                        |               |
| Comment Code                            |                         |              |    |                        |               |
| PR : Prunings                           |                         |              |    |                        |               |
| Inspector Comment                       |                         |              |    |                        |               |
| Prunings need to be removed, Fall 2017. |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_36\_22\_20180302\_00016.jpg



View of pruning's on the landside toe looking upstream. Fall 2017.

|   |                        |              |    |                        |               |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start  | 2.22                   | Rating **    | M  | Issue No.              | 6             |
| LM End  | 2.22                   | Issue Type + | En | Location *             | LS            |
| Category  | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|   |                        |              |    | Start                  | End           |
| Item  | Encroachments          |              |    | 38.969304 °            | 38.969304 °   |
|   |                        |              |    | -121.506050 °          | -121.506050 ° |
| DWR ID  | DWR_RD1001_01_f_2014_6 |              |    |                        |               |
| Comment Code  |                        |              |    |                        |               |
| PR : Prunings   |                        |              |    |                        |               |
| Inspector Comment   |                        |              |    |                        |               |
| Pruning's still at levee toe need to be removed, Spring 2018. |                        |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_36\_6\_20180411\_00028.jpg



This photo was taken of the landside looking upstream at prunings stacked up at the levee toe. Spring 2018.

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start                                      | 2.97                    | Rating **    | U  | Issue No.              | 14            |
| LM End  | 2.97                    | Issue Type + | En | Location *             | LS            |
| Category                                      | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Encroachments           |              |    | 38.966651 °            | 38.966651 °   |
|   |                         |              |    | -121.518940 °          | -121.518940 ° |
| DWR ID  | DWR_RD1001_01_s_2018_14 |              |    |                        |               |
| Comment Code                                  |                         |              |    |                        |               |
| PR : Prunings                                 |                         |              |    |                        |               |
| Inspector Comment                             |                         |              |    |                        |               |
| Remove pruning's from levee toe, Spring 2018. |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_36\_14\_20180411\_00027.jpg



View looking upstream landside of pruning's that have been places at levee toe, Spring 2018.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway                  | Bank  | Unit Miles | Inspection Start/End     | Inspector     |
|---------------------------|-------|------------|--------------------------|---------------|
| Unit No. 01 Yankee Slough | Right | 4.12       | 04/03/2018<br>04/03/2018 | Sterling York |

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 3.09                    | Rating **    | M  | Issue No.              | 19            |
| LM End   | 3.09                    | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Trim / Thin Trees       |              |    | 38.965660 °            | 38.965660 °   |
|  |                         |              |    | -121.520548 °          | -121.520548 ° |
| DWR ID   | DWR_RD1001_01_s_2016_19 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| T1 : Trim trees to at least five feet above ground level.          |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
| Trim limbs or remove stump for access and visibility, Spring 2018. |                         |              |    |                        |               |

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>3.09</b> | Rating **    | M  | Issue No.  | <b>19 (cont)</b> |
| LM End   | <b>3.09</b> | Issue Type + | Ma | Location * | LS               |

Photo 1 of 2 : SP\_2018\_RD1001\_36\_19\_20180411\_00026.jpg



View of a tree that need limbs trimmed, Spring 2018.

Photo 2 of 2 : SP\_2018\_RD1001\_36\_19\_20180302\_00014.jpg



View of a tree that need limbs trimmed. Fall 2017.

|                   |                        |              |    |                        |               |
|-------------------|------------------------|--------------|----|------------------------|---------------|
| LM Start          | 3.12                   | Rating **    | M  | Issue No.              | 5             |
| LM End            | 3.17                   | Issue Type + | En | Location *             | LS            |
| Category          | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|                   |                        |              |    | Start                  | End           |
| Item              | Vegetation             |              |    | 38.965663 °            | 38.965705 °   |
|                   |                        |              |    | -121.521023 °          | -121.522098 ° |
| DWR ID            | DWR_RD1001_01_s_2012_5 |              |    |                        |               |
| Comment Code      |                        |              |    |                        |               |
| V6 : Landscaping  |                        |              |    |                        |               |
| Inspector Comment |                        |              |    |                        |               |
|                   |                        |              |    |                        |               |

Photo 1 of 2 : SP\_2018\_RD1001\_36\_5\_20180302\_00002.jpg



Unit 1 Landscaping on levee slope. L/S

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway                  | Bank  | Unit Miles | Inspection Start/End     | Inspector     |
|---------------------------|-------|------------|--------------------------|---------------|
| Unit No. 01 Yankee Slough | Right | 4.12       | 04/03/2018<br>04/03/2018 | Sterling York |

|                   |                        |              |    |                        |          |               |
|-------------------|------------------------|--------------|----|------------------------|----------|---------------|
| LM Start          | 3.12                   | Rating **    | M  | Issue No.              | 5 (cont) |               |
| LM End            | 3.17                   | Issue Type + | En | Location *             | LS       |               |
| Category          | Earthen Levee          |              |    | GPS Latitude/Longitude |          |               |
|                   |                        |              |    | Start                  |          | End           |
| Item              | Vegetation             |              |    | 38.965663 °            |          | 38.965705 °   |
|                   |                        |              |    | -121.521023 °          |          | -121.522098 ° |
| DWR ID            | DWR_RD1001_01_s_2012_5 |              |    |                        |          |               |
| Comment Code      |                        |              |    |                        |          |               |
| V6 : Landscaping  |                        |              |    |                        |          |               |
| Inspector Comment |                        |              |    |                        |          |               |
|                   |                        |              |    |                        |          |               |

Photo 2 of 2 : SP\_2018\_RD1001\_36\_5\_20180302\_00003.jpg



View of landscaping on landside slope.

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 3.13                    | Rating **    | M  | Issue No.              | 20            |
| LM End   | 3.17                    | Issue Type + | En | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Encroachments           |              |    | 38.965663 °            | 38.965672 °   |
|  |                         |              |    | -121.521267 °          | -121.521919 ° |
| DWR ID   | DWR_RD1001_01_f_2016_20 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| FE : Fence   |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
| Land owner has installed an unpermitted fence on the landside levee slope. |                         |              |    |                        |               |

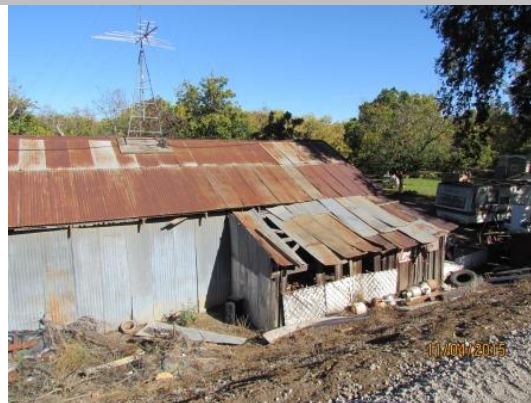
Photo 1 of 1 : SP\_2018\_RD1001\_36\_20\_20180302\_00015.jpg



View of a fence on the landside levee slope looking upstream. Fall 2016.

|  |                        |              |    |                        |               |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start   | 3.19                   | Rating **    | U  | Issue No.              | 8             |
| LM End   | 3.19                   | Issue Type + | En | Location *             | LS            |
| Category   | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|  |                        |              |    | Start                  | End           |
| Item   | Encroachments          |              |    | 38.965694 °            | 38.965694 °   |
|  |                        |              |    | -121.522424 °          | -121.522424 ° |
| DWR ID   | DWR_RD1001_01_f_2015_8 |              |    |                        |               |
| Comment Code   |                        |              |    |                        |               |
| BU : Building  |                        |              |    |                        |               |
| Inspector Comment  |                        |              |    |                        |               |
| Remove debris and building to allow visibility and access to landside levee toe. |                        |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_36\_8\_20180302\_00005.jpg



View of the shed at the landside levee toe.

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|--|--|---|--|---|--|



**Flood Control Project Maintenance  
Levee Inspections**

## Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 1001 Nicolaus

| Waterway                  | Bank  | Unit Miles | Inspection Start/End     | Inspector     |
|---------------------------|-------|------------|--------------------------|---------------|
| Unit No. 01 Yankee Slough | Right | 4.12       | 04/03/2018<br>04/03/2018 | Sterling York |

|                   |                        |              |    |                        |               |
|-------------------|------------------------|--------------|----|------------------------|---------------|
| LM Start          | 3.21                   | Rating **    | U  | Issue No.              | 4             |
| LM End            | 3.21                   | Issue Type + | En | Location *             | LS            |
| Category          | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|                   |                        |              |    | Start                  | End           |
| Item              | Vegetation             |              |    | 38.965699 °            | 38.965699 °   |
|                   |                        |              |    | -121.522790 °          | -121.522790 ° |
| DWR ID            | DWR_RD1001_01_f_2015_4 |              |    |                        |               |
| Comment Code      |                        |              |    |                        |               |
| V6 : Landscaping  |                        |              |    |                        |               |
| Inspector Comment |                        |              |    |                        |               |
|                   |                        |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_36\_4\_20180302\_00001.jpg



View of the landscaping at the landside levee toe.

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 3.59                    | Rating **    | C  | Issue No.              | 18            |
| LM End   | 3.59                    | Issue Type + | En | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Encroachments           |              |    | 38.965368 °            | 38.965368 °   |
|  |                         |              |    | -121.529358 °          | -121.529358 ° |
| DWR ID   | DWR_RD1001_01_f_2016_18 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| DE : Debris  |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
| Irrigation pipe on landside toe has been removed, Spring 2018. |                         |              |    |                        |               |

No Photos

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable                      N : Not Inspected/Rated<br>M : Minimally Acceptable        C : Corrected<br>U : Unacceptable                  A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2018 Levee Inspection Results**

**Reclamation District No. 1001 Nicolaus**

| Waterway                               |                         |                           | Bank                           | Unit Miles                      |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 02 Yankee Slough              |                         |                           | Left                           | 3.65                            |
|  | Spring<br>(March - May) | Summer<br>(June - August) | (September - November)<br>Fall | Winter<br>(December - February) |
| Unit Maintenance Rating<br>(Fall Only) |                         |                           |                                |                                 |
| Date of Inspection                     | 4/3/2018 - 4/3/2018     |                           |                                |                                 |
| DWR Inspector                          | Sterling York           |                           |                                |                                 |
| Accompanied By                         | Joe Henderson<br>RD1001 |                           |                                |                                 |

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway                  | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|---------------------------|------|------------|--------------------------|---------------|
| Unit No. 02 Yankee Slough | Left | 3.65       | 04/03/2018<br>04/03/2018 | Sterling York |

|  |                        |              |    |                        |               |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start   | 0.01                   | Rating **    | A  | Issue No.              | 9             |
| LM End   | 3.62                   | Issue Type + | Ma | Location *             | WS            |
| Category   | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|  |                        |              |    | Start                  | End           |
| Item   | Vegetation             |              |    | 38.971339 °            | 38.965664 °   |
|  |                        |              |    | -121.474015 °          | -121.533333 ° |
| DWR ID   | DWR_RD1001_02_s_2018_9 |              |    |                        |               |
| Comment Code   |                        |              |    |                        |               |
| V1 : Control annual grass and weeds on the levee slopes and easements. |                        |              |    |                        |               |
| Inspector Comment  |                        |              |    |                        |               |
| Annual vegetation is well maintained, Spring 2018.                     |                        |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_35\_9\_20180411\_00028.jpg



View looking downstream waterside of the well maintained annual vegetation, Spring 2018.

|   |                        |              |    |                        |               |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start  | 0.01                   | Rating **    | M  | Issue No.              | 7             |
| LM End  | 3.62                   | Issue Type + | Ma | Location *             | LS            |
| Category  | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|   |                        |              |    | Start                  | End           |
| Item  | Vegetation             |              |    | 38.971341 °            | 38.965664 °   |
|   |                        |              |    | -121.474011 °          | -121.533333 ° |
| DWR ID  | DWR_RD1001_02_s_2018_7 |              |    |                        |               |
| Comment Code  |                        |              |    |                        |               |
| V1 : Control annual grass and weeds on the levee slopes and easements.            |                        |              |    |                        |               |
| Inspector Comment   |                        |              |    |                        |               |
| Annual vegetation has gotten to tall for visual inspection of slope, Spring 2018. |                        |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_35\_7\_20180411\_00029.jpg



View looking downstream landside of the annual vegetation that needs to be maintained for better visual inspection, Spring 2018.

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

# Reclamation District No. 1001 Nicolaus

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>0.24</b> | Rating **    | M  | Issue No.  | <b>53 (cont)</b> |
| LM End   | <b>0.24</b> | Issue Type + | En | Location * |                  |



Levee Crown: dense vegetation on levee crown and sides.



WS- plugged pipe and pump base.

| * Location  | ** Rating   | + Issue Type   |
|---|---|--|
| LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | A : Acceptable                      N : Not Inspected/Rated<br>M : Minimally Acceptable        C : Corrected<br>U : Unacceptable                  A/W : Acceptable but Monitor & Maintain | Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway                  | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|---------------------------|------|------------|--------------------------|---------------|
| Unit No. 02 Yankee Slough | Left | 3.65       | 04/03/2018<br>04/03/2018 | Sterling York |

|  |                      |              |    |                        |               |  |
|--|----------------------|--------------|----|------------------------|---------------|--|
| LM Start   | 0.24                 | Rating **    | M  | Issue No.              | 53 (cont)     |  |
| LM End   | 0.24                 | Issue Type + | En | Location *             |               |  |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |               |  |
|  |                      |              |    | Start                  | End           |  |
| Item   | DWR UCIP Field Study |              |    | 38.974103 °            | 38.974103 °   |  |
|  |                      |              |    | -121.475948 °          | -121.475948 ° |  |
| DWR ID   |                      |              |    |                        |               |  |
| Comment Code   |                      |              |    |                        |               |  |
|  |                      |              |    |                        |               |  |
| Inspector Comment  |                      |              |    |                        |               |  |
| FS_ID:41673<br>DS_ID:22536<br>EP_NO: 5562<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Pipe appears abandoned and if so should be done so properly. WS pipe plugged with stopper. Seems abandoned. Only abandoned pump base found.<br>FIELD_STRUCT_DESC: 6-inch coated steel irrigation pipe through the levee, 3.5 feet below the crown. Metal cutoff collar placed on the pipe at the center of the levee crown. Pump was removed. Pump base on the waterside (WS) berm. Shutoff valve on the discharge side of the pump. Foot valve below water on the intake side of the pump. Siphon breaker on the landside (LS) shoulder. Pipe discharges into underground irrigation system on the LS. Power pole and meter box, 10 feet from the landward toe. 1.5-inch flexible conduit through levee, 3.5 feet below the crown. (Pump and irrigation pipe authorized under Permit No. 5562, 1966 - Samuel B. Single). [Additional Reference(s): DWR Levee Log, 1993].<br>FS Date: 5/23/2013 |                      |              |    |                        |               |  |

Photo 3 of 3 : UCIP\_SP\_2018\_41673\_22743.jpg



LS- only pipe air vent found on levee slope.

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 0.32                    | Rating **    | M  | Issue No.              | 14            |
| LM End   | 0.32                    | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Trim / Thin Trees       |              |    | 38.974542 °            | 38.974542 °   |
|  |                         |              |    | -121.477438 °          | -121.477438 ° |
| DWR ID   | DWR_RD1001_02_s_2018_14 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| T1 : Trim trees to at least five feet above ground level.            |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
| Tree needs its limbs trimmed for access and visibility, Spring 2018. |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_35\_14\_20180411\_00030.jpg



View looking downstream landside of tree that needs its limbs trimmed for access and visibility, Spring 2018.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway                  | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|---------------------------|------|------------|--------------------------|---------------|
| Unit No. 02 Yankee Slough | Left | 3.65       | 04/03/2018<br>04/03/2018 | Sterling York |

|          |                      |              |    |                        |               |
|----------|----------------------|--------------|----|------------------------|---------------|
| LM Start | 0.47                 | Rating **    | M  | Issue No.              | 54            |
| LM End   | 0.47                 | Issue Type + | En | Location *             |               |
| Category | Supplemental         |              |    | GPS Latitude/Longitude |               |
|          |                      |              |    | Start                  | End           |
| Item     | DWR UCIP Field Study |              |    | 38.974329 °            | 38.974329 °   |
|          |                      |              |    | -121.480043 °          | -121.480043 ° |
| DWR ID   |                      |              |    |                        |               |

**Comment Code**

**Inspector Comment**

FS\_ID:50740  
DS\_ID:22529  
EP\_NO: 2281  
Repair Type: Non-Urgent  
Crossing Status: Not Found  
UCIP Comments: 07/13/2016 According to district president Joe Henderson, pipe was removed 2-3 years ago. No permit for removal found or evidence of pipe or its removal found. (K. Fazel - UCIP)05/23/2013:- leaky pipe end and erosion on WS.- cracked dirt mound on LS - seems not been used for some time. (P. Amatya - DWR)  
FIELD\_STRUCT\_DESC: \*REMOVED\* 7-inch steel irrigation pipe through the levee, 1.9 feet below the crown. Portable pump mounted on the bank during the summer months. Control valve on the waterside (WS). Steel plate bolted on the WS end during the winter months. Pipe discharges into a 30-inch concrete standpipe at the landside (LS) toe. (Pump and irrigation pipe authorized under Permit No. 2281, 1956 - Willard R. Brown). [Additional Reference(s): DWR Levee Log, 1993].  
FS Date: 7/13/2016

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>0.47</b> | Rating **    | M  | Issue No.  | <b>54 (cont)</b> |
| LM End   | <b>0.47</b> | Issue Type + | En | Location * |                  |

Photo 1 of 3 : UCIP\_SP\_2018\_50740\_22753.jpg



WS- end of the pipe.

Photo 2 of 3 : UCIP\_SP\_2018\_50740\_22752.jpg



WS- seems abandoned or not been used for some time.

| * Location                                      | ** Rating   | + Issue Type   |
|---|---|--|
| LS : Land Side<br>WS : Water Side<br>CR : Crown | A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable                      | Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
| N/A : Not Applicable                            | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  |

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway                  | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|---------------------------|------|------------|--------------------------|---------------|
| Unit No. 02 Yankee Slough | Left | 3.65       | 04/03/2018<br>04/03/2018 | Sterling York |

|   |                      |              |    |                        |               |  |
|---|----------------------|--------------|----|------------------------|---------------|--|
| LM Start  | 0.47                 | Rating **    | M  | Issue No.              | 54 (cont)     |  |
| LM End  | 0.47                 | Issue Type + | En | Location *             |               |  |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |               |  |
|   |                      |              |    | Start                  | End           |  |
| Item  | DWR UCIP Field Study |              |    | 38.974329 °            | 38.974329 °   |  |
|   |                      |              |    | -121.480043 °          | -121.480043 ° |  |
| DWR ID  |                      |              |    |                        |               |  |
| Comment Code  |                      |              |    |                        |               |  |
|   |                      |              |    |                        |               |  |
| Inspector Comment   |                      |              |    |                        |               |  |
| FS_ID:50740<br>DS_ID:22529<br>EP_NO: 2281<br>Repair Type: Non-Urgent<br>Crossing Status: Not Found<br>UCIP Comments: 07/13/2016 According to district president Joe Henderson, pipe was removed 2-3 years ago. No permit for removal found or evidence of pipe or its removal found. (K. Fazel - UCIP)05/23/2013:- leaky pipe end and erosion on WS.- cracked dirt mound on LS - seems not been used for some time. (P. Amatya - DWR)<br>FIELD_STRUCT_DESC: *REMOVED* 7-inch steel irrigation pipe through the levee, 1.9 feet below the crown. Portable pump mounted on the bank during the summer months. Control valve on the waterside (WS). Steel plate bolted on the WS end during the winter months. Pipe discharges into a 30-inch concrete standpipe at the landside (LS) toe. (Pump and irrigation pipe authorized under Permit No. 2281, 1956 - Willard R. Brown). [Additional Reference(s): DWR Levee Log, 1993].<br>FS Date: 7/13/2016 |                      |              |    |                        |               |  |

Photo 3 of 3 : UCIP\_SP\_2018\_50740\_22751.jpg



WS- due to water leak, soil around pipe eroded.

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 0.53                    | Rating **    | M  | Issue No.              | 19            |
| LM End   | 0.53                    | Issue Type + | En | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Encroachments           |              |    | 38.974371 °            | 38.974371 °   |
|  |                         |              |    | -121.481223 °          | -121.481223 ° |
| DWR ID   | DWR_RD1001_02_f_2016_19 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| AV : Abandoned vehicles                                  |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
| Remove boat parked at the landside levee toe, Fall 2017. |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_35\_19\_20180302\_00012.jpg



View of a boat at the landside levee toe, Fall 2017.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway                  | Bank | Unit Miles | Inspection Start/End     | Inspector        |
|---------------------------|------|------------|--------------------------|------------------|
| Unit No. 02 Yankee Slough | Left | 3.65       | 04/03/2018<br>04/03/2018 | Sterling<br>York |

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | 0.54                    | Rating **    | M  | Issue No.              | 21            |
| LM End  | 0.54                    | Issue Type + | En | Location *             | LS            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Encroachments           |              |    | 38.974348 °            | 38.974348 °   |
|   |                         |              |    | -121.481498 °          | -121.481498 ° |
| DWR ID  | DWR_RD1001_02_f_2016_21 |              |    |                        |               |
| Comment Code  |                         |              |    |                        |               |
| TA : Tank   |                         |              |    |                        |               |
| Inspector Comment   |                         |              |    |                        |               |
| Tank at landside levee toe need to be removed from easement, Spring 2018. |                         |              |    |                        |               |

Photo 1 of 2 : SP\_2018\_RD1001\_35\_21\_20180411\_00031.jpg



View looking downstream landside, equipment has been moved but fuel tank remains, Spring 2018.

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>0.54</b> | Rating **    | M  | Issue No.  | <b>21 (cont)</b> |
| LM End   | <b>0.54</b> | Issue Type + | En | Location * | LS               |

Photo 2 of 2 : SP\_2018\_RD1001\_35\_21\_20180302\_00013.jpg



View of an backhoe and tank at landside levee toe looking downstream. Fall 2017.

|                   |                         |              |    |                        |               |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start          | 0.63                    | Rating **    | M  | Issue No.              | 16            |
| LM End            | 0.63                    | Issue Type + | En | Location *             | LS            |
| Category          | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                   |                         |              |    | Start                  | End           |
| Item              | Vegetation              |              |    | 38.974198 °            | 38.974198 °   |
|                   |                         |              |    | -121.483150 °          | -121.483150 ° |
| DWR ID            | DWR_RD1001_02_s_2012_16 |              |    |                        |               |
| Comment Code      |                         |              |    |                        |               |
| V6 : Landscaping  |                         |              |    |                        |               |
| Inspector Comment |                         |              |    |                        |               |
|                   |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_35\_16\_20180302\_00010.jpg



View of the landscaping at the landside levee toe.

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway                  | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|---------------------------|------|------------|--------------------------|---------------|
| Unit No. 02 Yankee Slough | Left | 3.65       | 04/03/2018<br>04/03/2018 | Sterling York |

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start                                     | 0.78                    | Rating **    | M  | Issue No.              | 22            |
| LM End                                       | 0.78                    | Issue Type + | En | Location *             | LS            |
| Category                                     | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Encroachments           |              |    | 38.973509 °            | 38.973509 °   |
|  |                         |              |    | -121.485668 °          | -121.485668 ° |
| DWR ID                                       | DWR_RD1001_02_f_2016_22 |              |    |                        |               |
| Comment Code                                 |                         |              |    |                        |               |
| DE : Debris                                  |                         |              |    |                        |               |
| Inspector Comment                            |                         |              |    |                        |               |
| Debris has been piled up again, Spring 2018. |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_35\_22\_20180411\_00032.jpg



View of debris pile on the landside levee slope looking downstream, Spring 2018.

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 1.21                    | Rating **    | M  | Issue No.              | 29            |
| LM End   | 1.21                    | Issue Type + | En | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Encroachments           |              |    | 38.970635 °            | 38.970635 °   |
|  |                         |              |    | -121.492476 °          | -121.492476 ° |
| DWR ID   | DWR_RD1001_02_f_2017_29 |              |    |                        |               |
| Comment Code                                     |                         |              |    |                        |               |
| DE : Debris                                      |                         |              |    |                        |               |
| Inspector Comment                                |                         |              |    |                        |               |
| Stumps and debris need to be removed, Fall 2017. |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_35\_29\_20180411\_00033.jpg



View looking downstream landside at pruning's and stumps that need to be removed from levee toe, Spring 2018.

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway                  | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|---------------------------|------|------------|--------------------------|---------------|
| Unit No. 02 Yankee Slough | Left | 3.65       | 04/03/2018<br>04/03/2018 | Sterling York |

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | 1.31                    | Rating **    | M  | Issue No.              | 12            |
| LM End  | 1.31                    | Issue Type + | En | Location *             | WS            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Encroachments           |              |    | 38.969830 °            | 38.969830 °   |
|   |                         |              |    | -121.493994 °          | -121.493994 ° |
| DWR ID  | DWR_RD1001_02_s_2015_12 |              |    |                        |               |
| Comment Code  |                         |              |    |                        |               |
| MA : Material   |                         |              |    |                        |               |
| Inspector Comment   |                         |              |    |                        |               |
| Sand pile needs to be remove from waterside slope, Fall 2017. |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_35\_12\_20180302\_00008.jpg



View of a pile of soil on the waterside slope looking downstream. Fall 2016.

|   |                                  |              |    |                        |               |
|---|----------------------------------|--------------|----|------------------------|---------------|
| LM Start  | 1.33                             | Rating **    | M  | Issue No.              | 1             |
| LM End  | 1.36                             | Issue Type + | Ma | Location *             | WS            |
| Category  | Supplemental                     |              |    | GPS Latitude/Longitude |               |
|   |                                  |              |    | Start                  | End           |
| Item  | 2015 USACE Erosion Survey, DRAFT |              |    | 38.969740 °            | 38.969640 °   |
|   |                                  |              |    | -121.494327 °          | -121.494829 ° |
| DWR ID  | DWR_RD1001_02_s_2016_1           |              |    |                        |               |
| Comment Code  |                                  |              |    |                        |               |
|   |                                  |              |    |                        |               |
| Inspector Comment   |                                  |              |    |                        |               |
| 2011 - New erosion site. Steep eroding slope. Fairly old scarp with vegetation growth. 2015: Site is part of the extended inventory, last inspected 2011. [2015 Site ID: YAS_1-7_L] |                                  |              |    |                        |               |

No Photos

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 1.47                    | Rating **    | M  | Issue No.              | 15            |
| LM End   | 1.70                    | Issue Type + | En | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Encroachments           |              |    | 38.969838 °            | 38.970226 °   |
|  |                         |              |    | -121.496964 °          | -121.501092 ° |
| DWR ID   | DWR_RD1001_02_s_2018_15 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| TR : Tree or limb  |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
| Remove orchard trees that have been cut down, Spring 2018. |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_35\_15\_20180411\_00035.jpg



View looking downstream of removed orchard trees that have been placed at toe of levee, Spring 2018.

|                   |                      |                          |   |                                   |  |
|-------------------|----------------------|--------------------------|---|-----------------------------------|--|
| <b>* Location</b> |                      | <b>** Rating</b>         |   | <b>+ Issue Type</b>               |  |
| LS : Land Side    | N/A : Not Applicable | A : Acceptable           | N : Not Inspected/Rated                 | Ma : Maintenance Deficiency       |  |
| WS : Water Side   |                      | M : Minimally Acceptable | C : Corrected                           | Ob : Design & System Obsolescence |  |
| CR : Crown        |                      | U : Unacceptable         | A/W : Acceptable but Monitor & Maintain | En : Enforcement                  |  |



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway                  | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|---------------------------|------|------------|--------------------------|---------------|
| Unit No. 02 Yankee Slough | Left | 3.65       | 04/03/2018<br>04/03/2018 | Sterling York |

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | 1.70                    | Rating **    | M  | Issue No.              | 23            |
| LM End  | 1.70                    | Issue Type + | En | Location *             | LS            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Encroachments           |              |    | 38.970260 °            | 38.970260 °   |
|   |                         |              |    | -121.501246 °          | -121.501246 ° |
| DWR ID  | DWR_RD1001_02_f_2016_23 |              |    |                        |               |
| Comment Code  |                         |              |    |                        |               |
| TA : Tank   |                         |              |    |                        |               |
| Inspector Comment   |                         |              |    |                        |               |
| Two tanks that are at the landside levee toe and should be moved from the easement. |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_35\_23\_20180302\_00015.jpg



View of two tanks that are at the landside levee toe. Fall 2016.

|                   |                         |              |    |                        |               |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start          | 1.71                    | Rating **    | M  | Issue No.              | 18            |
| LM End            | 1.71                    | Issue Type + | En | Location *             | LS            |
| Category          | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                   |                         |              |    | Start                  | End           |
| Item              | Encroachments           |              |    | 38.970264 °            | 38.970264 °   |
|                   |                         |              |    | -121.501343 °          | -121.501343 ° |
| DWR ID            | DWR_RD1001_02_s_2016_18 |              |    |                        |               |
| Comment Code      |                         |              |    |                        |               |
| BU : Building     |                         |              |    |                        |               |
| Inspector Comment |                         |              |    |                        |               |
|                   |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_35\_18\_20180302\_00011.jpg



Shed at landside toe.

|                   |                         |              |    |                        |               |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start          | 1.74                    | Rating **    | U  | Issue No.              | 10            |
| LM End            | 1.74                    | Issue Type + | En | Location *             | LS            |
| Category          | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                   |                         |              |    | Start                  | End           |
| Item              | Vegetation              |              |    | 38.970353 °            | 38.970353 °   |
|                   |                         |              |    | -121.501935 °          | -121.501935 ° |
| DWR ID            | DWR_RD1001_02_s_2012_10 |              |    |                        |               |
| Comment Code      |                         |              |    |                        |               |
| V6 : Landscaping  |                         |              |    |                        |               |
| Inspector Comment |                         |              |    |                        |               |
|                   |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_35\_10\_20180302\_00006.jpg



RD 1001 Unit 2 - L/S -Landscaping - Trees

\* Location  
LS : Land Side N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable N : Not Inspected/Rated  
M : Minimally Acceptable C : Corrected  
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway                  | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|---------------------------|------|------------|--------------------------|---------------|
| Unit No. 02 Yankee Slough | Left | 3.65       | 04/03/2018<br>04/03/2018 | Sterling York |

|                   |                         |              |    |                        |               |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start          | 1.75                    | Rating **    | U  | Issue No.              | 11            |
| LM End            | 1.75                    | Issue Type + | En | Location *             | LS            |
| Category          | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                   |                         |              |    | Start                  | End           |
| Item              | Encroachments           |              |    | 38.970347 °            | 38.970347 °   |
|                   |                         |              |    | -121.502027 °          | -121.502027 ° |
| DWR ID            | DWR_RD1001_02_s_2012_11 |              |    |                        |               |
| Comment Code      |                         |              |    |                        |               |
| BU : Building     |                         |              |    |                        |               |
| Inspector Comment |                         |              |    |                        |               |
|                   |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_35\_11\_20180302\_00007.jpg



RD 1001 Unit 2 - L/S -Building @ toe.

|   |                        |              |    |                        |               |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start  | 1.88                   | Rating **    | N  | Issue No.              | 6             |
| LM End  | 1.88                   | Issue Type + | Ma | Location *             | LS            |
| Category  | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|   |                        |              |    | Start                  | End           |
| Item  | Trim / Thin Trees      |              |    | 38.969489 °            | 38.969489 °   |
|   |                        |              |    | -121.504155 °          | -121.504155 ° |
| DWR ID  | DWR_RD1001_02_f_2015_6 |              |    |                        |               |
| Comment Code  |                        |              |    |                        |               |
| T5 : Tree stumps.   |                        |              |    |                        |               |
| Inspector Comment   |                        |              |    |                        |               |
| Large stump at the landside levee toe should be removed, Fall 2017. |                        |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_35\_6\_20180302\_00002.jpg



View of large stump at the landside levee toe. Fall 2016.

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | 1.89                    | Rating **    | N  | Issue No.              | 13            |
| LM End  | 1.89                    | Issue Type + | Ma | Location *             | LS            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Trim / Thin Trees       |              |    | 38.969423 °            | 38.969423 °   |
|   |                         |              |    | -121.504225 °          | -121.504225 ° |
| DWR ID  | DWR_RD1001_02_f_2015_13 |              |    |                        |               |
| Comment Code  |                         |              |    |                        |               |
| T5 : Tree stumps.   |                         |              |    |                        |               |
| Inspector Comment   |                         |              |    |                        |               |
| Large stump at the landside levee toe should be removed, Fall 2017. |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_35\_13\_20180302\_00009.jpg



View of large stump at the landside levee toe. Fall 2016.

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway                  | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|---------------------------|------|------------|--------------------------|---------------|
| Unit No. 02 Yankee Slough | Left | 3.65       | 04/03/2018<br>04/03/2018 | Sterling York |

|   |                        |              |    |                        |               |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start  | 1.90                   | Rating **    | N  | Issue No.              | 5             |
| LM End  | 1.90                   | Issue Type + | Ma | Location *             | LS            |
| Category  | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|   |                        |              |    | Start                  | End           |
| Item  | Trim / Thin Trees      |              |    | 38.969261 °            | 38.969261 °   |
|   |                        |              |    | -121.504429 °          | -121.504429 ° |
| DWR ID  | DWR_RD1001_02_f_2017_5 |              |    |                        |               |
| Comment Code  |                        |              |    |                        |               |
| T5 : Tree stumps.   |                        |              |    |                        |               |
| Inspector Comment   |                        |              |    |                        |               |
| Large stump at the landside levee toe should be removed. Fall 2017. |                        |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_35\_5\_20180302\_00001.jpg



View looking downstream landside at a large stump that needs to be removed, Fall 2017.

|                   |                         |              |    |                        |               |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start          | 2.28                    | Rating **    | M  | Issue No.              | 52            |
| LM End            | 2.52                    | Issue Type + | En | Location *             | LS            |
| Category          | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                   |                         |              |    | Start                  | End           |
| Item              | Encroachments           |              |    | 38.967402 °            | 38.967515 °   |
|                   |                         |              |    | -121.510850 °          | -121.515270 ° |
| DWR ID            | DWR_RD1001_02_s_2012_52 |              |    |                        |               |
| Comment Code      |                         |              |    |                        |               |
| DT : Ditch        |                         |              |    |                        |               |
| Inspector Comment |                         |              |    |                        |               |
|                   |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_35\_52\_20180302\_00018.jpg



View of landside irrigation ditch looking downstream. Fall 2016.

|  |  |  |  |   |  |   |  |
|--|--|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable |  | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|--|--|--|--|---|--|---|--|





**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway                  | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|---------------------------|------|------------|--------------------------|---------------|
| Unit No. 02 Yankee Slough | Left | 3.65       | 04/03/2018<br>04/03/2018 | Sterling York |

|   |                             |              |    |                        |               |     |
|---|-----------------------------|--------------|----|------------------------|---------------|-----|
| LM Start  | 2.28                        | Rating **    | M  | Issue No.              | 55 (cont)     |     |
| LM End  | 2.28                        | Issue Type + | Ma | Location *             |               |     |
| Category  | Supplemental                |              |    | GPS Latitude/Longitude |               |     |
|   |                             |              |    | Start                  |               | End |
| Item  | DWR UCIP LMA Responsibility |              |    | 38.967403 °            | 38.967403 °   |     |
|   |                             |              |    | -121.510953 °          | -121.510953 ° |     |
| DWR ID  |                             |              |    |                        |               |     |
| Comment Code  |                             |              |    |                        |               |     |
|   |                             |              |    |                        |               |     |
| Inspector Comment   |                             |              |    |                        |               |     |
| FS_ID:14008<br>DS_ID:22543<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: - slide gate in inlet pipe on landside - pits on pipe due to corrosion<br>FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 15 feet below the crown. Flap gate and concrete U-shaped headwall at outfall on the waterside (WS) end. Slide gate at inlet on the landside (LS) end. (Reclamation District No. 1001).<br>[Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 141.1, August 1955, (Station 67+75)].<br>FS Date: 5/23/2013 |                             |              |    |                        |               |     |

Photo 3 of 3 : UCIP\_SP\_2018\_14008\_23106.jpg



LS- slide gate in inlet pipe structure

|   |                                |              |    |                        |               |
|---|--------------------------------|--------------|----|------------------------|---------------|
| LM Start                                    | 3.58                           | Rating **    | A  | Issue No.              | 24            |
| LM End                                      | 3.58                           | Issue Type + | Ma | Location *             | LS            |
| Category                                    | Earthen Levee                  |              |    | GPS Latitude/Longitude |               |
|   |                                |              |    | Start                  | End           |
| Item  | Emergency Supplies & Equipment |              |    | 38.965345 °            | 38.965345 °   |
|   |                                |              |    | -121.532615 °          | -121.532615 ° |
| DWR ID                                      | DWR_RD1001_02_f_2016_24        |              |    |                        |               |
| Comment Code                                |                                |              |    |                        |               |
|   |                                |              |    |                        |               |
| Inspector Comment                           |                                |              |    |                        |               |
| Stockpiled flood fight material. Fall 2016. |                                |              |    |                        |               |
|   |                                |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_35\_24\_20180302\_00016.jpg



View of stockpiled flood fight material. Fall 2016.

|  |  |  |  |   |   |
|--|--|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable |  | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|--|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

## Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 1001 Nicolaus

| Waterway                  | Bank | Unit Miles | Inspection Start/End     | Inspector        |
|---------------------------|------|------------|--------------------------|------------------|
| Unit No. 02 Yankee Slough | Left | 3.65       | 04/03/2018<br>04/03/2018 | Sterling<br>York |

|  |                        |              |    |                        |               |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start   | 3.58                   | Rating **    | C  | Issue No.              | 8             |
| LM End   | 3.61                   | Issue Type + | Ma | Location *             | WS            |
| Category   | Supplemental           |              |    | GPS Latitude/Longitude |               |
|  |                        |              |    | Start                  | End           |
| Item   | 2017 Storm Damage      |              |    | 38.965369 °            | 38.965532 °   |
|  |                        |              |    | -121.532677 °          | -121.533052 ° |
| DWR ID   | DWR_RD1001_02_f_2017_8 |              |    |                        |               |
| Comment Code   |                        |              |    |                        |               |
|  |                        |              |    |                        |               |
| Inspector Comment  |                        |              |    |                        |               |
| Levee Evaluation Comments  |                        |              |    |                        |               |
| Description:   |                        |              |    |                        |               |
| Site ID No:164   |                        |              |    |                        |               |
| Site Designation:USACE_CESPK_NIC2_2012_p_0218  |                        |              |    |                        |               |
| Repair Type: Erosion   |                        |              |    |                        |               |
| Rating:Area of Concern   |                        |              |    |                        |               |
| Field Date:6/6/2017  |                        |              |    |                        |               |
| Notes: Erosion into lower part of levee. Erosion occurs from blackberry bushes down. |                        |              |    |                        |               |

No Photos

|  |   |   |
|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2018 Levee Inspection Results**

**Reclamation District No. 1001 Nicolaus**

| Waterway                               |                         |                           | Bank                           | Unit Miles                      |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 03 Bear River                 |                         |                           | Left                           | 12.58                           |
|  | Spring<br>(March - May) | Summer<br>(June - August) | (September - November)<br>Fall | Winter<br>(December - February) |
| Unit Maintenance Rating<br>(Fall Only) |                         |                           |                                |                                 |
| Date of Inspection                     | 4/3/2018 - 4/3/2018     |                           |                                |                                 |
| DWR Inspector                          | Sterling York           |                           |                                |                                 |
| Accompanied By                         | Joe Henderson<br>RD1001 |                           |                                |                                 |

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway               | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|------------------------|------|------------|--------------------------|---------------|
| Unit No. 03 Bear River | Left | 12.58      | 04/03/2018<br>04/03/2018 | Sterling York |

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 0.00                    | Rating **    | A  | Issue No.              | 13            |
| LM End   | 12.58                   | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Vegetation              |              |    | 39.006478 °            | 38.941103 °   |
|  |                         |              |    | -121.375035 °          | -121.567605 ° |
| DWR ID   | DWR_RD1001_03_s_2018_13 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| V1 : Control annual grass and weeds on the levee slopes and easements. |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
| Annual vegetation is well maintained, Spring 2018.                     |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_37\_13\_20180409\_00054.jpg



View looking downstream landside of the well maintained annual vegetation, Spring 2018.

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 0.00                    | Rating **    | A  | Issue No.              | 15            |
| LM End   | 12.58                   | Issue Type + | Ma | Location *             | WS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Vegetation              |              |    | 39.006478 °            | 38.941103 °   |
|  |                         |              |    | -121.375035 °          | -121.567605 ° |
| DWR ID   | DWR_RD1001_03_s_2018_15 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| V1 : Control annual grass and weeds on the levee slopes and easements. |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
| Annual vegetation is well maintained, Spring 2018.                     |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_37\_15\_20180409\_00052.jpg



View looking downstream waterside of the well maintained annual vegetation, Spring 2018.

|   |                        |              |    |                        |               |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start  | 0.11                   | Rating **    | M  | Issue No.              | 2             |
| LM End  | 0.11                   | Issue Type + | Ma | Location *             | CR            |
| Category  | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|   |                        |              |    | Start                  | End           |
| Item  | Slope Stability        |              |    | 39.006569 °            | 39.006569 °   |
|   |                        |              |    | -121.377037 °          | -121.377037 ° |
| DWR ID  | DWR_RD1001_03_f_2013_2 |              |    |                        |               |
| Comment Code  |                        |              |    |                        |               |
| S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible. |                        |              |    |                        |               |
| Inspector Comment   |                        |              |    |                        |               |
| Rutting caused by vehicles driving up the landward levee slope, Spring 2018.              |                        |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_37\_2\_20180409\_00055.jpg



View of rutting on the landside levee facing downstream. Spring 2018.

|                   |                      |                          |   |                                   |  |
|-------------------|----------------------|--------------------------|---|-----------------------------------|--|
| <b>* Location</b> |                      | <b>** Rating</b>         |   | <b>+ Issue Type</b>               |  |
| LS : Land Side    | N/A : Not Applicable | A : Acceptable           | N : Not Inspected/Rated                 | Ma : Maintenance Deficiency       |  |
| WS : Water Side   |                      | M : Minimally Acceptable | C : Corrected                           | Ob : Design & System Obsolescence |  |
| CR : Crown        |                      | U : Unacceptable         | A/W : Acceptable but Monitor & Maintain | En : Enforcement                  |  |

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway               | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|------------------------|------|------------|--------------------------|---------------|
| Unit No. 03 Bear River | Left | 12.58      | 04/03/2018<br>04/03/2018 | Sterling York |

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 0.14                    | Rating **    | C  | Issue No.              | 23            |
| LM End   | 0.14                    | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Slope Stability         |              |    | 39.006351 °            | 39.006351 °   |
|  |                         |              |    | -121.377313 °          | -121.377313 ° |
| DWR ID   | DWR_RD1001_03_s_2015_23 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.      |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
| Rutting caused by vehicles driving up the landward levee slope has been repaired, Spring 2018. |                         |              |    |                        |               |

No Photos

|   |                      |              |    |                        |               |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start  | 0.88                 | Rating **    | M  | Issue No.              | 911           |
| LM End  | 0.88                 | Issue Type + | En | Location *             |               |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |               |
|   |                      |              |    | Start                  | End           |
| Item  | DWR UCIP Field Study |              |    | 39.006508 °            | 39.006508 °   |
|   |                      |              |    | -121.391086 °          | -121.391086 ° |
| DWR ID  |                      |              |    |                        |               |
| Comment Code  |                      |              |    |                        |               |
|   |                      |              |    |                        |               |
| Inspector Comment   |                      |              |    |                        |               |
| FS_ID:14128<br>DS_ID:22549<br>EP_NO: 958<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: - slide gate on WS not found- needs abandoned properly.<br>FIELD_STRUCT_DESC: *ABANDONED* 24-inch irrigation pipe of an unknown material through the levee, at an unknown depth. Slide gate on the waterside (WS) end. (24-inch irrigation pipe authorized under Permit No. 958, 1944 - Frank B. Lichty and Maggie Lichty).<br>FS Date: 5/21/2013 |                      |              |    |                        |               |

Photo 1 of 3 : UCIP\_SP\_2018\_14128\_23308.jpg



WS- abandoned CMP on berm of the levee.

|   |  |  |  |  |  |
|---|--|--|--|--|--|
| * Location<br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | ** Rating<br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | + Issue Type<br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|---|--|--|--|--|--|



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway               | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|------------------------|------|------------|--------------------------|---------------|
| Unit No. 03 Bear River | Left | 12.58      | 04/03/2018<br>04/03/2018 | Sterling York |

|  |                      |              |    |                        |               |  |
|--|----------------------|--------------|----|------------------------|---------------|--|
| LM Start   | 0.88                 | Rating **    | M  | Issue No.              | 911 (cont)    |  |
| LM End   | 0.88                 | Issue Type + | En | Location *             |               |  |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |               |  |
|  |                      |              |    | Start                  | End           |  |
| Item   | DWR UCIP Field Study |              |    | 39.006508 °            | 39.006508 °   |  |
|  |                      |              |    | -121.391086 °          | -121.391086 ° |  |
| DWR ID   |                      |              |    |                        |               |  |
| Comment Code   |                      |              |    |                        |               |  |
|  |                      |              |    |                        |               |  |
| Inspector Comment  |                      |              |    |                        |               |  |
| FS_ID:14128  |                      |              |    |                        |               |  |
| DS_ID:22549  |                      |              |    |                        |               |  |
| EP_NO: 958   |                      |              |    |                        |               |  |
| Repair Type: Non-Urgent  |                      |              |    |                        |               |  |
| Crossing Status: Found   |                      |              |    |                        |               |  |
| UCIP Comments: - slide gate on WS not found- needs abandoned properly.   |                      |              |    |                        |               |  |
| FIELD_STRUCT_DESC: *ABANDONED* 24-inch irrigation pipe of an unknown material through the levee, at an unknown depth. Slide gate on the waterside (WS) end. (24-inch irrigation pipe authorized under Permit No. 958, 1944 - Frank B. Lichty and Maggie Lichty). |                      |              |    |                        |               |  |
| FS Date: 5/21/2013   |                      |              |    |                        |               |  |

Photo 2 of 3 : UCIP\_SP\_2018\_14128\_23307.jpg



WS- abandoned CMP and depression around it.

|          |             |              |    |            |                   |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | <b>0.88</b> | Rating **    | M  | Issue No.  | <b>911 (cont)</b> |
| LM End   | <b>0.88</b> | Issue Type + | En | Location * |                   |

Photo 3 of 3 : UCIP\_SP\_2018\_14128\_23309.jpg



LS- no pipe or structure found on landside.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable                      N : Not Inspected/Rated<br>M : Minimally Acceptable        C : Corrected<br>U : Unacceptable                  A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway               | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|------------------------|------|------------|--------------------------|---------------|
| Unit No. 03 Bear River | Left | 12.58      | 04/03/2018<br>04/03/2018 | Sterling York |

|  |                        |              |    |                        |               |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start   | 1.16                   | Rating **    | M  | Issue No.              | 3             |
| LM End   | 1.78                   | Issue Type + | En | Location *             | WS            |
| Category   | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|  |                        |              |    | Start                  | End           |
| Item   | Encroachments          |              |    | 39.005730 °            | 38.999534 °   |
|  |                        |              |    | -121.396111 °          | -121.404395 ° |
| DWR ID   | DWR_RD1001_03_s_2012_3 |              |    |                        |               |
| Comment Code   |                        |              |    |                        |               |
| PO : Pole  |                        |              |    |                        |               |
| Inspector Comment  |                        |              |    |                        |               |
| Unpermitted Power Poles on the crown along waterside shoulder. |                        |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_37\_3\_20180302\_00004.jpg



View of Power Poles along waterside shoulder. Fall 2016.

|  |                      |              |    |                        |               |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start   | 1.85                 | Rating **    | M  | Issue No.              | 912           |
| LM End   | 1.85                 | Issue Type + | En | Location *             |               |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |               |
|  |                      |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study |              |    | 38.998780 °            | 38.998780 °   |
|  |                      |              |    | -121.405322 °          | -121.405322 ° |
| DWR ID   |                      |              |    |                        |               |
| Comment Code   |                      |              |    |                        |               |
|  |                      |              |    |                        |               |
| Inspector Comment  |                      |              |    |                        |               |
| FS_ID:41727<br>DS_ID:22561<br>EP_NO: 4505<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Two small steel pipes sleeved through 30-inch CMP may be a compliance issue as slidegate cannot close.- this may have been converted into drainage pipe (?) - big CMP standpipe on WS.<br>FIELD_STRUCT_DESC: 30-inch concrete encased corrugated metal irrigation pipe through the levee, 11 feet below the crown. Concrete headwall and slide gate at the waterside (WS) toe, removed. Metal walkway on the WS to the slide gate. Pipe discharges into a 48-inch concrete standpipe at the landside (LS) toe. Two vertical pumps. (30-inch concrete encased corrugated metal irrigation pipe authorized under Permit No. 4505, 1964 - State of California, Department of Public Works, Division of Highways). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 141.1, August 1955, (Station 949+00), 30-inch steel pipe referenced].<br>FS Date: 5/21/2013 |                      |              |    |                        |               |

Photo 1 of 3 : UCIP\_SP\_2018\_41727\_23325.jpg



WS- steel walkway, CMP and concrete headwall

| * Location                                      | ** Rating   | + Issue Type   |
|---|---|--|
| LS : Land Side<br>WS : Water Side<br>CR : Crown | A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable                      | Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
| N/A : Not Applicable                            | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  |



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway               | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|------------------------|------|------------|--------------------------|---------------|
| Unit No. 03 Bear River | Left | 12.58      | 04/03/2018<br>04/03/2018 | Sterling York |

|  |                      |              |    |                        |               |  |
|--|----------------------|--------------|----|------------------------|---------------|--|
| LM Start   | 1.85                 | Rating **    | M  | Issue No.              | 912 (cont)    |  |
| LM End   | 1.85                 | Issue Type + | En | Location *             |               |  |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |               |  |
|  |                      |              |    | Start                  | End           |  |
| Item   | DWR UCIP Field Study |              |    | 38.998780 °            | 38.998780 °   |  |
|  |                      |              |    | -121.405322 °          | -121.405322 ° |  |
| DWR ID   |                      |              |    |                        |               |  |
| Comment Code   |                      |              |    |                        |               |  |
|  |                      |              |    |                        |               |  |
| Inspector Comment  |                      |              |    |                        |               |  |
| FS_ID:41727<br>DS_ID:22561<br>EP_NO: 4505<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Two small steel pipes sleeved through 30-inch CMP may be a compliance issue as slidegate cannot close.- this may have been converted into drainage pipe (?) - big CMP standpipe on WS.<br>FIELD_STRUCT_DESC: 30-inch concrete encased corrugated metal irrigation pipe through the levee, 11 feet below the crown. Concrete headwall and slide gate at the waterside (WS) toe, removed. Metal walkway on the WS to the slide gate. Pipe discharges into a 48-inch concrete standpipe at the landside (LS) toe. Two vertical pumps. (30-inch concrete encased corrugated metal irrigation pipe authorized under Permit No. 4505, 1964 - State of California, Department of Public Works, Division of Highways). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 141.1, August 1955, (Station 949+00), 30-inch steel pipe referenced].<br>FS Date: 5/21/2013 |                      |              |    |                        |               |  |

|          |             |              |    |            |                   |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | <b>1.85</b> | Rating **    | M  | Issue No.  | <b>912 (cont)</b> |
| LM End   | <b>1.85</b> | Issue Type + | En | Location * |                   |

Photo 2 of 3 : UCIP\_SP\_2018\_41727\_23324.jpg



WS- CMP standpipe, pipes and concrete headwall.

Photo 3 of 3 : UCIP\_SP\_2018\_41727\_23323.jpg



WS- two steel pipes are sleeved through 30-inch CMP.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway               | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|------------------------|------|------------|--------------------------|---------------|
| Unit No. 03 Bear River | Left | 12.58      | 04/03/2018<br>04/03/2018 | Sterling York |

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | 1.87                    | Rating **    | M  | Issue No.              | 28            |
| LM End  | 1.87                    | Issue Type + | Ma | Location *             | WS            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Slope Stability         |              |    | 38.998608 °            | 38.998608 °   |
|   |                         |              |    | -121.405570 °          | -121.405570 ° |
| DWR ID  | DWR_RD1001_03_s_2013_28 |              |    |                        |               |
| Comment Code  |                         |              |    |                        |               |
| S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible. |                         |              |    |                        |               |
| Inspector Comment   |                         |              |    |                        |               |
| Continual damage to waterside slope caused by vehicles, suggest blocking access.          |                         |              |    |                        |               |

Photo 1 of 2 : SP\_2018\_RD1001\_37\_28\_20180409\_00057.jpg



Continual damage to waterside slope caused by vehicles. Spring 2018.

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>1.87</b> | Rating **    | M  | Issue No.  | <b>28 (cont)</b> |
| LM End   | <b>1.87</b> | Issue Type + | Ma | Location * | WS               |

Photo 2 of 2 : SP\_2018\_RD1001\_37\_28\_20180302\_00022.jpg



Continual damage to waterside slope caused by vehicles. Fall 2017.

|   |                         |              |     |                        |               |
|---|-------------------------|--------------|-----|------------------------|---------------|
| LM Start  | 1.87                    | Rating **    | A/W | Issue No.              | 29            |
| LM End  | 1.87                    | Issue Type + | Ma  | Location *             | LS            |
| Category  | Earthen Levee           |              |     | GPS Latitude/Longitude |               |
|   |                         |              |     | Start                  | End           |
| Item  | Slope Stability         |              |     | 38.998608 °            | 38.998608 °   |
|   |                         |              |     | -121.405570 °          | -121.405570 ° |
| DWR ID  | DWR_RD1001_03_s_2013_29 |              |     |                        |               |
| Comment Code  |                         |              |     |                        |               |
| S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.   |                         |              |     |                        |               |
| Inspector Comment   |                         |              |     |                        |               |
| Continual damage caused by vehicles going around the gate, has been fixed and blocks added. |                         |              |     |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_37\_29\_20180302\_00023.jpg



Continual damage caused by vehicles going around the gate. Fall 2017.

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|--|--|---|--|---|--|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway               | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|------------------------|------|------------|--------------------------|---------------|
| Unit No. 03 Bear River | Left | 12.58      | 04/03/2018<br>04/03/2018 | Sterling York |

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 2.17                    | Rating **    | C  | Issue No.              | 49            |
| LM End   | 2.17                    | Issue Type + | Ma | Location *             | WS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Trim / Thin Trees       |              |    | 38.996614 °            | 38.996614 °   |
|  |                         |              |    | -121.410213 °          | -121.410213 ° |
| DWR ID   | DWR_RD1001_03_f_2017_49 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| T1 : Trim trees to at least five feet above ground level.            |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
| Tree limbs have been trimmed for visibility and access, Spring 2018. |                         |              |    |                        |               |

No Photos

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | 2.28                    | Rating **    | M  | Issue No.              | 30            |
| LM End  | 2.28                    | Issue Type + | Ma | Location *             | WS            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Slope Stability         |              |    | 38.996302 °            | 38.996302 °   |
|   |                         |              |    | -121.412285 °          | -121.412285 ° |
| DWR ID  | DWR_RD1001_03_s_2013_30 |              |    |                        |               |
| Comment Code  |                         |              |    |                        |               |
| S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible. |                         |              |    |                        |               |
| Inspector Comment   |                         |              |    |                        |               |
| Damage to landside slope by vehicles needs to be repaired, Spring 2018.                   |                         |              |    |                        |               |

Photo 1 of 2 : SP\_2018\_RD1001\_37\_30\_20180409\_00059.jpg



View looking downstream waterside where slope has been disturbed by vehicle traffic, Spring 2018.

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>2.28</b> | Rating **    | M  | Issue No.  | <b>30 (cont)</b> |
| LM End   | <b>2.28</b> | Issue Type + | Ma | Location * | WS               |

Photo 2 of 2 : SP\_2018\_RD1001\_37\_30\_20180302\_00024.jpg



View looking downstream waterside where slope has been disturbed by vehicle traffic, Fall 2017.

|                 |                      |                          |   |                                   |  |
|-----------------|----------------------|--------------------------|---|-----------------------------------|--|
| * Location      |                      | ** Rating                |   | + Issue Type                      |  |
| LS : Land Side  | N/A : Not Applicable | A : Acceptable           | N : Not Inspected/Rated                 | Ma : Maintenance Deficiency       |  |
| WS : Water Side |                      | M : Minimally Acceptable | C : Corrected                           | Ob : Design & System Obsolescence |  |
| CR : Crown      |                      | U : Unacceptable         | A/W : Acceptable but Monitor & Maintain | En : Enforcement                  |  |



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway               | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|------------------------|------|------------|--------------------------|---------------|
| Unit No. 03 Bear River | Left | 12.58      | 04/03/2018<br>04/03/2018 | Sterling York |

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | 2.58                    | Rating **    | M  | Issue No.              | 16            |
| LM End  | 2.58                    | Issue Type + | En | Location *             | LS            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Encroachments           |              |    | 38.995610 °            | 38.995610 °   |
|   |                         |              |    | -121.417846 °          | -121.417846 ° |
| DWR ID  | DWR_RD1001_03_s_2017_16 |              |    |                        |               |
| Comment Code  |                         |              |    |                        |               |
| PR : Prunings   |                         |              |    |                        |               |
| Inspector Comment                                       |                         |              |    |                        |               |
| Pruning's at levee toe need to be removed. Spring 2017. |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_37\_16\_20180409\_00060.jpg



View of pruning's at levee toe landside that need to be removed, Spring 2018.

|  |                      |              |    |                        |               |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start   | 2.59                 | Rating **    | M  | Issue No.              | 913           |
| LM End   | 2.59                 | Issue Type + | En | Location *             |               |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |               |
|  |                      |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study |              |    | 38.995584 °            | 38.995584 °   |
|  |                      |              |    | -121.417982 °          | -121.417982 ° |
| DWR ID   |                      |              |    |                        |               |
| Comment Code   |                      |              |    |                        |               |
|  |                      |              |    |                        |               |
| Inspector Comment  |                      |              |    |                        |               |
| FS_ID:41722<br>DS_ID:22562<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Verify pipe has been abandoned properly.- pump mounted on the riverbank not found, - butterfly valve in a 30-inch concrete riser at the waterward toe not found,- concrete box on landside not found- a big tree inside concrete standpipe on landside found.<br>FIELD_STRUCT_DESC: *ABANDONED* 22-inch steel pipe through the levee, 18.3 feet below the crown. Pump mounted on the riverbank. Butterfly valve in a 30-inch concrete riser at the waterside (WS) toe. Pipe discharges into a concrete box and concrete standpipe on the landside (LS). Steel plate bolted to the WS end of the pipe during the winter months. (California Packing Corporation). [Additional Reference(s): DWR Levee Log, 1993].<br>FS Date: 5/21/2013 |                      |              |    |                        |               |

Photo 1 of 2 : UCIP\_SP\_2018\_41722\_23338.jpg



WS- only a steel pipe found on riverbank.

| * Location                                      | ** Rating   | + Issue Type   |
|---|---|--|
| LS : Land Side<br>WS : Water Side<br>CR : Crown | A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable                      | Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
| N/A : Not Applicable                            | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  |

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway               | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|------------------------|------|------------|--------------------------|---------------|
| Unit No. 03 Bear River | Left | 12.58      | 04/03/2018<br>04/03/2018 | Sterling York |

|  |                      |              |    |                        |               |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start   | 2.59                 | Rating **    | M  | Issue No.              | 913 (cont)    |
| LM End   | 2.59                 | Issue Type + | En | Location *             |               |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |               |
|  |                      |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study |              |    | 38.995584 °            | 38.995584 °   |
|  |                      |              |    | -121.417982 °          | -121.417982 ° |
| DWR ID   |                      |              |    |                        |               |
| Comment Code   |                      |              |    |                        |               |
|  |                      |              |    |                        |               |
| Inspector Comment  |                      |              |    |                        |               |
| FS_ID:41722<br>DS_ID:22562<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Verify pipe has been abandoned properly.- pump mounted on the riverbank not found, - butterfly valve in a 30-inch concrete riser at the waterward toe not found,- concrete box on landside not found- a big tree inside concrete standpipe on landside found.<br>FIELD_STRUCT_DESC: *ABANDONED* 22-inch steel pipe through the levee, 18.3 feet below the crown. Pump mounted on the riverbank. Butterfly valve in a 30-inch concrete riser at the waterside (WS) toe. Pipe discharges into a concrete box and concrete standpipe on the landside (LS). Steel plate bolted to the WS end of the pipe during the winter months. (California Packing Corporation). [Additional Reference(s): DWR Levee Log, 1993].<br>FS Date: 5/21/2013 |                      |              |    |                        |               |

Photo 2 of 2 : UCIP\_SP\_2018\_41722\_23337.jpg



LS- a big tree inside concrete standpipe.

|   |                         |              |     |                        |               |
|---|-------------------------|--------------|-----|------------------------|---------------|
| LM Start  | 2.59                    | Rating **    | A/W | Issue No.              | 36            |
| LM End  | 2.59                    | Issue Type + | Ma  | Location *             | LS            |
| Category  | Earthen Levee           |              |     | GPS Latitude/Longitude |               |
|   |                         |              |     | Start                  | End           |
| Item  | Trim / Thin Trees       |              |     | 38.995583 °            | 38.995583 °   |
|   |                         |              |     | -121.417995 °          | -121.417995 ° |
| DWR ID  | DWR_RD1001_03_s_2015_36 |              |     |                        |               |
| Comment Code  |                         |              |     |                        |               |
| T3 : Trim and thin trees to allow visibility of the ground and room to flood fight. |                         |              |     |                        |               |
| Inspector Comment   |                         |              |     |                        |               |
| Tree less than 4" in diameter should be removed, Spring 2018.                       |                         |              |     |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_37\_36\_20180409\_00061.jpg



View of a small starter tree on landside slope looking downstream that is less than 4" in diameter, Spring 2018.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable                      N : Not Inspected/Rated<br>M : Minimally Acceptable        C : Corrected<br>U : Unacceptable                  A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway               | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|------------------------|------|------------|--------------------------|---------------|
| Unit No. 03 Bear River | Left | 12.58      | 04/03/2018<br>04/03/2018 | Sterling York |

|  |                        |              |    |                        |               |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start   | 2.76                   | Rating **    | M  | Issue No.              | 5             |
| LM End   | 2.76                   | Issue Type + | En | Location *             | LS            |
| Category   | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|  |                        |              |    | Start                  | End           |
| Item   | Encroachments          |              |    | 38.994999 °            | 38.994999 °   |
|  |                        |              |    | -121.421047 °          | -121.421047 ° |
| DWR ID   | DWR_RD1001_03_f_2015_5 |              |    |                        |               |
| Comment Code   |                        |              |    |                        |               |
| PR : Prunings  |                        |              |    |                        |               |
| Inspector Comment  |                        |              |    |                        |               |
| Remove trimmings and debris from levee slope, Fall 2017. |                        |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_37\_5\_20180302\_00006.jpg



View of the prunings at the landside levee toe. Fall 2016.

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start                                      | 2.76                    | Rating **    | C  | Issue No.              | 37            |
| LM End  | 2.76                    | Issue Type + | En | Location *             | LS            |
| Category                                      | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Encroachments           |              |    | 38.994983 °            | 38.994983 °   |
|   |                         |              |    | -121.421069 °          | -121.421069 ° |
| DWR ID  | DWR_RD1001_03_s_2015_37 |              |    |                        |               |
| Comment Code                                  |                         |              |    |                        |               |
| DE : Debris                                   |                         |              |    |                        |               |
| Inspector Comment                             |                         |              |    |                        |               |
| Wood debris piled up at levee toe, Fall 2017. |                         |              |    |                        |               |

No Photos

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 2.82                    | Rating **    | C  | Issue No.              | 51            |
| LM End   | 2.84                    | Issue Type + | Ma | Location *             | WS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Trim / Thin Trees       |              |    | 38.994726 °            | 38.994668 °   |
|  |                         |              |    | -121.422132 °          | -121.422343 ° |
| DWR ID   | DWR_RD1001_03_f_2017_51 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| T1 : Trim trees to at least five feet above ground level.                  |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
| Trees have had their limbs trimmed for visibility and access, Spring 2018. |                         |              |    |                        |               |

No Photos

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable  |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|  |  | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  |   |  |



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway               | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|------------------------|------|------------|--------------------------|---------------|
| Unit No. 03 Bear River | Left | 12.58      | 04/03/2018<br>04/03/2018 | Sterling York |

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start                                  | 2.96                    | Rating **    | M  | Issue No.              | 42            |
| LM End                                    | 2.96                    | Issue Type + | Ma | Location *             | LS            |
| Category                                  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item                                      | Encroachments           |              |    | 38.994157 °            | 38.994157 °   |
|   |                         |              |    | -121.424520 °          | -121.424520 ° |
| DWR ID                                    | DWR_RD1001_03_f_2013_42 |              |    |                        |               |
| Comment Code                              |                         |              |    |                        |               |
| DE : Debris                               |                         |              |    |                        |               |
| Inspector Comment                         |                         |              |    |                        |               |
| Remove couch on levee slope, Spring 2018. |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_37\_42\_20180302\_00036.jpg



View of a couch on the landside levee slope looking downstream. Fall 2016.

|                                |                         |              |    |                        |               |
|--------------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start                       | 2.99                    | Rating **    | M  | Issue No.              | 53            |
| LM End                         | 2.99                    | Issue Type + | En | Location *             | LS            |
| Category                       | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                                |                         |              |    | Start                  | End           |
| Item                           | Encroachments           |              |    | 38.994036 °            | 38.994036 °   |
|                                |                         |              |    | -121.425007 °          | -121.425007 ° |
| DWR ID                         | DWR_RD1001_03_f_2017_53 |              |    |                        |               |
| Comment Code                   |                         |              |    |                        |               |
| PR : Prunings                  |                         |              |    |                        |               |
| Inspector Comment              |                         |              |    |                        |               |
| Remove pruning's, Spring 2016. |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_37\_53\_20180302\_00039.jpg



View looking downstream landside of pruning's on levee slope, Fall 2017.

|                                     |                         |              |    |                        |               |
|-------------------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start                            | 3.03                    | Rating **    | M  | Issue No.              | 54            |
| LM End                              | 3.03                    | Issue Type + | En | Location *             | LS            |
| Category                            | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                                     |                         |              |    | Start                  | End           |
| Item                                | Encroachments           |              |    | 38.993838 °            | 38.993838 °   |
|                                     |                         |              |    | -121.425829 °          | -121.425829 ° |
| DWR ID                              | DWR_RD1001_03_f_2017_54 |              |    |                        |               |
| Comment Code                        |                         |              |    |                        |               |
| PO : Pole                           |                         |              |    |                        |               |
| Inspector Comment                   |                         |              |    |                        |               |
| Guy wire in levee slope near crown. |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_37\_54\_20180302\_00040.jpg



View looking downstream landside of a guywire into the levee slope, Fall 2017.

\* Location  
LS : Land Side N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable N : Not Inspected/Rated  
M : Minimally Acceptable C : Corrected  
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway               | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|------------------------|------|------------|--------------------------|---------------|
| Unit No. 03 Bear River | Left | 12.58      | 04/03/2018<br>04/03/2018 | Sterling York |

|   |                          |              |    |                        |               |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start  | 3.52                     | Rating **    | M  | Issue No.              | 906           |
| LM End  | 3.52                     | Issue Type + | Ma | Location *             | LS            |
| Category  | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|   |                          |              |    | Start                  | End           |
| Item  | Vegetation               |              |    | 38.991745 °            | 38.991745 °   |
|   |                          |              |    | -121.434398 °          | -121.434398 ° |
| DWR ID  | DWR_RD1001_03_s_2012_906 |              |    |                        |               |
| Comment Code  |                          |              |    |                        |               |
| V4 : Elderberries are blocking visibility and flood fight capability. |                          |              |    |                        |               |
| Inspector Comment   |                          |              |    |                        |               |
|   |                          |              |    |                        |               |

No Photos

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 3.57                    | Rating **    | M  | Issue No.              | 21            |
| LM End   | 3.57                    | Issue Type + | Ma | Location *             | WS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Erosion / Bank Caving   |              |    | 38.991390 °            | 38.991390 °   |
|  |                         |              |    | -121.435268 °          | -121.435268 ° |
| DWR ID   | DWR_RD1001_03_s_2016_21 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| E2 : Schedule repair of erosion site prior to the next inspection. |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
|  |                         |              |    |                        |               |

Photo 1 of 2 : SP\_2018\_RD1001\_37\_21\_20180409\_00063.jpg



Erosion on waterside slope still remains as of Spring 2018.

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>3.57</b> | Rating **    | M  | Issue No.  | <b>21 (cont)</b> |
| LM End   | <b>3.57</b> | Issue Type + | Ma | Location * | WS               |

Photo 2 of 2 : SP\_2018\_RD1001\_37\_21\_20180302\_00019.jpg



Erosion on waterside slope. Remains as of Fall 2016.

|   |  |  |  |  |  |
|---|--|--|--|--|--|
| * Location<br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | ** Rating<br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | + Issue Type<br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|---|--|--|--|--|--|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway               | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|------------------------|------|------------|--------------------------|---------------|
| Unit No. 03 Bear River | Left | 12.58      | 04/03/2018<br>04/03/2018 | Sterling York |

|                        |                         |              |    |                        |               |
|------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start               | 3.61                    | Rating **    | M  | Issue No.              | 20            |
| LM End                 | 3.69                    | Issue Type + | En | Location *             | LS            |
| Category               | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                        |                         |              |    | Start                  | End           |
| Item                   | Encroachments           |              |    | 38.991230 °            | 38.991207 °   |
|                        |                         |              |    | -121.435918 °          | -121.437433 ° |
| DWR ID                 | DWR_RD1001_03_f_2016_20 |              |    |                        |               |
| Comment Code           |                         |              |    |                        |               |
| PO : Pole              |                         |              |    |                        |               |
| Inspector Comment      |                         |              |    |                        |               |
| Unpermitted pole line. |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_37\_20\_20180302\_00018.jpg



View looking downstream of unpermitted pole, Spring 2017.

|  |                        |              |    |                        |               |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start   | 4.03                   | Rating **    | M  | Issue No.              | 7             |
| LM End   | 4.09                   | Issue Type + | En | Location *             | LS            |
| Category   | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|  |                        |              |    | Start                  | End           |
| Item   | Encroachments          |              |    | 38.991299 °            | 38.991413 °   |
|  |                        |              |    | -121.443830 °          | -121.444865 ° |
| DWR ID   | DWR_RD1001_03_s_2012_7 |              |    |                        |               |
| Comment Code   |                        |              |    |                        |               |
| MA : Material  |                        |              |    |                        |               |
| Inspector Comment  |                        |              |    |                        |               |
| Land owner continues to leave debris and equipment next to levee toe, Spring 2018. |                        |              |    |                        |               |

Photo 1 of 2 : SP\_2018\_RD1001\_37\_7\_20180409\_00064.jpg



Irrigation pipe equipment and plastic cans within the easement of the levee. Spring 2018.

|          |             |              |    |            |                 |
|----------|-------------|--------------|----|------------|-----------------|
| LM Start | <b>4.03</b> | Rating **    | M  | Issue No.  | <b>7 (cont)</b> |
| LM End   | <b>4.09</b> | Issue Type + | En | Location * | LS              |

Photo 2 of 2 : SP\_2018\_RD1001\_37\_7\_20180409\_00065.jpg



Irrigation pipe equipment and plastic cans within the easement of the levee. Spring 2018.

|  |  |  |  |   |  |   |  |
|--|--|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable |  | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|--|--|--|--|---|--|---|--|



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway               | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|------------------------|------|------------|--------------------------|---------------|
| Unit No. 03 Bear River | Left | 12.58      | 04/03/2018<br>04/03/2018 | Sterling York |

|  |                         |              |     |                        |               |
|--|-------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 4.06                    | Rating **    | A/W | Issue No.              | 24            |
| LM End   | 4.06                    | Issue Type + | Ma  | Location *             | LS            |
| Category   | Earthen Levee           |              |     | GPS Latitude/Longitude |               |
|  |                         |              |     | Start                  | End           |
| Item   | Vegetation              |              |     | 38.991370 °            | 38.991370 °   |
|  |                         |              |     | -121.444351 °          | -121.444351 ° |
| DWR ID   | DWR_RD1001_03_f_2016_24 |              |     |                        |               |
| Comment Code   |                         |              |     |                        |               |
| V4 : Elderberries are blocking visibility and flood fight capability.            |                         |              |     |                        |               |
| Inspector Comment  |                         |              |     |                        |               |
| Elderberries bushes have been trimmed up for access and visibility, Spring 2018. |                         |              |     |                        |               |

No Photos

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | 4.24                    | Rating **    | M  | Issue No.              | 26            |
| LM End  | 4.24                    | Issue Type + | En | Location *             | LS            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Encroachments           |              |    | 38.991926 °            | 38.991926 °   |
|   |                         |              |    | -121.447669 °          | -121.447669 ° |
| DWR ID  | DWR_RD1001_03_s_2017_26 |              |    |                        |               |
| Comment Code  |                         |              |    |                        |               |
| LI : Landscape Irrigation                                       |                         |              |    |                        |               |
| Inspector Comment   |                         |              |    |                        |               |
| Remove drip irrigation and trash from levee slope. Spring 2018. |                         |              |    |                        |               |

Photo 1 of 2 : SP\_2018\_RD1001\_37\_26\_20180409\_00066.jpg



View of the same drip irrigation and trash on levee slope. Spring 2018.

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>4.24</b> | Rating **    | M  | Issue No.  | <b>26 (cont)</b> |
| LM End   | <b>4.24</b> | Issue Type + | En | Location * | LS               |

Photo 2 of 2 : SP\_2018\_RD1001\_37\_26\_20180302\_00021.jpg



View of drip irrigation and trash on levee slope. Spring 2017.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

## Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 1001 Nicolaus

| Waterway               | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|------------------------|------|------------|--------------------------|---------------|
| Unit No. 03 Bear River | Left | 12.58      | 04/03/2018<br>04/03/2018 | Sterling York |

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start                                   | 4.27                    | Rating **    | M  | Issue No.              | 33            |
| LM End                                     | 4.34                    | Issue Type + | En | Location *             | LS            |
| Category                                   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item                                       | Encroachments           |              |    | 38.992012 °            | 38.992012 °   |
|  |                         |              |    | -121.448118 °          | -121.449483 ° |
| DWR ID                                     | DWR_RD1001_03_s_2017_33 |              |    |                        |               |
| Comment Code                               |                         |              |    |                        |               |
| PR : Prunings                              |                         |              |    |                        |               |
| Inspector Comment                          |                         |              |    |                        |               |
| Remove prunings at levee toe. Spring 2018. |                         |              |    |                        |               |

Photo 1 of 2 : SP\_2018\_RD1001\_37\_33\_20180409\_00067.jpg



View looking downstream landside of the same pruning's on levee slope from Fall 2017 to Spring 2018.

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>4.27</b> | Rating **    | M  | Issue No.  | <b>33 (cont)</b> |
| LM End   | <b>4.34</b> | Issue Type + | En | Location * | LS               |

Photo 2 of 2 : SP\_2018\_RD1001\_37\_33\_20180302\_00027.jpg



View looking downstream landside of pruning's on levee slope, Fall 2017.

|  |                        |              |    |                        |               |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start                                 | 4.46                   | Rating **    | M  | Issue No.              | 9             |
| LM End                                   | 4.64                   | Issue Type + | En | Location *             | LS            |
| Category                                 | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|  |                        |              |    | Start                  | End           |
| Item                                     | Encroachments          |              |    | 38.991872 °            | 38.991549 °   |
|  |                        |              |    | -121.451728 °          | -121.455017 ° |
| DWR ID                                   | DWR_RD1001_03_s_2013_9 |              |    |                        |               |
| Comment Code                             |                        |              |    |                        |               |
| PR : Prunings                            |                        |              |    |                        |               |
| Inspector Comment                        |                        |              |    |                        |               |
| Pruning's still on levee toe, Fall 2017. |                        |              |    |                        |               |

Photo 1 of 2 : SP\_2018\_RD1001\_37\_9\_20180302\_00010.jpg



There is a still a pile of pruning's at the toe. Spring 2017.

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway               | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|------------------------|------|------------|--------------------------|---------------|
| Unit No. 03 Bear River | Left | 12.58      | 04/03/2018<br>04/03/2018 | Sterling York |

|  |                        |              |    |                        |          |               |
|--|------------------------|--------------|----|------------------------|----------|---------------|
| LM Start                                 | 4.46                   | Rating **    | M  | Issue No.              | 9 (cont) |               |
| LM End                                   | 4.64                   | Issue Type + | En | Location *             | LS       |               |
| Category                                 | Earthen Levee          |              |    | GPS Latitude/Longitude |          |               |
|  |                        |              |    | Start                  |          | End           |
| Item                                     | Encroachments          |              |    | 38.991872 °            |          | 38.991549 °   |
|  |                        |              |    | -121.451728 °          |          | -121.455017 ° |
| DWR ID                                   | DWR_RD1001_03_s_2013_9 |              |    |                        |          |               |
| Comment Code                             |                        |              |    |                        |          |               |
| PR : Prunings                            |                        |              |    |                        |          |               |
| Inspector Comment                        |                        |              |    |                        |          |               |
| Pruning's still on levee toe, Fall 2017. |                        |              |    |                        |          |               |

Photo 2 of 2 : SP\_2018\_RD1001\_37\_9\_20180302\_00009.jpg



Drip irrigation tubing has been removed that was within the easement of the landside levee. There is a new pile of pruning's at the toe. Fall 2016

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 4.47                    | Rating **    | M  | Issue No.              | 35            |
| LM End   | 4.47                    | Issue Type + | En | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Encroachments           |              |    | 38.991864 °            | 38.991864 °   |
|  |                         |              |    | -121.451770 °          | -121.451770 ° |
| DWR ID   | DWR_RD1001_03_s_2017_35 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| LI : Landscape Irrigation                            |                         |              |    |                        |               |
| Inspector Comment                                    |                         |              |    |                        |               |
| Remove drip irrigation along levee toe. Spring 2018. |                         |              |    |                        |               |

Photo 1 of 2 : SP\_2018\_RD1001\_37\_35\_20180409\_00069.jpg



View looking downstream landside of drip irrigation and trash still on levee slope. Spring 2018.

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>4.47</b> | Rating **    | M  | Issue No.  | <b>35 (cont)</b> |
| LM End   | <b>4.47</b> | Issue Type + | En | Location * | LS               |

Photo 2 of 2 : SP\_2018\_RD1001\_37\_35\_20180302\_00028.jpg



View looking downstream landside of drip irrigation and trash on levee slope. Fall 2017.

|  |  |  |  |   |  |   |  |
|--|--|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable |  | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|--|--|--|--|---|--|---|--|



**Flood Control Project Maintenance  
Levee Inspections**

## Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 1001 Nicolaus

| Waterway               | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|------------------------|------|------------|--------------------------|---------------|
| Unit No. 03 Bear River | Left | 12.58      | 04/03/2018<br>04/03/2018 | Sterling York |

|  |                         |              |     |                        |               |
|--|-------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 4.65                    | Rating **    | A/W | Issue No.              | 58            |
| LM End   | 4.65                    | Issue Type + | Ma  | Location *             | LS            |
| Category   | Earthen Levee           |              |     | GPS Latitude/Longitude |               |
|  |                         |              |     | Start                  | End           |
| Item   | Vegetation              |              |     | 38.991551 °            | 38.991551 °   |
|  |                         |              |     | -121.455092 °          | -121.455092 ° |
| DWR ID   | DWR_RD1001_03_s_2012_58 |              |     |                        |               |
| Comment Code   |                         |              |     |                        |               |
| V4 : Elderberries are blocking visibility and flood fight capability.            |                         |              |     |                        |               |
| Inspector Comment  |                         |              |     |                        |               |
| Elderberries bushes have been trimmed up for access and visibility, Spring 2018. |                         |              |     |                        |               |

No Photos

|  |                          |              |     |                        |               |
|--|--------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 4.82                     | Rating **    | A/W | Issue No.              | 910           |
| LM End   | 4.82                     | Issue Type + | Ma  | Location *             | LS            |
| Category   | Earthen Levee            |              |     | GPS Latitude/Longitude |               |
|  |                          |              |     | Start                  | End           |
| Item   | Vegetation               |              |     | 38.990773 °            | 38.990773 °   |
|  |                          |              |     | -121.458203 °          | -121.458203 ° |
| DWR ID   | DWR_RD1001_03_s_2012_910 |              |     |                        |               |
| Comment Code   |                          |              |     |                        |               |
| V4 : Elderberries are blocking visibility and flood fight capability.            |                          |              |     |                        |               |
| Inspector Comment  |                          |              |     |                        |               |
| Elderberries bushes have been trimmed up for access and visibility, Spring 2018. |                          |              |     |                        |               |

No Photos

|  |                         |              |     |                        |               |
|--|-------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 5.81                    | Rating **    | A/W | Issue No.              | 32            |
| LM End   | 5.81                    | Issue Type + | Ma  | Location *             | LS            |
| Category   | Earthen Levee           |              |     | GPS Latitude/Longitude |               |
|  |                         |              |     | Start                  | End           |
| Item   | Trim / Thin Trees       |              |     | 38.985882 °            | 38.985882 °   |
|  |                         |              |     | -121.475394 °          | -121.475394 ° |
| DWR ID   | DWR_RD1001_03_f_2016_32 |              |     |                        |               |
| Comment Code   |                         |              |     |                        |               |
| T2 : Thin trees to allow visibility of the ground and room to flood fight. |                         |              |     |                        |               |
| Inspector Comment  |                         |              |     |                        |               |
| Trees less than 4" in diameter should be removed, Spring 2018.             |                         |              |     |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_37\_32\_20180409\_00070.jpg



View of landside were trees less than 4" in diameter should be removed, Spring 2018.

|                 |                      |                          |   |                                   |  |
|-----------------|----------------------|--------------------------|---|-----------------------------------|--|
| * Location      |                      | ** Rating                |   | + Issue Type                      |  |
| LS : Land Side  | N/A : Not Applicable | A : Acceptable           | N : Not Inspected/Rated                 | Ma : Maintenance Deficiency       |  |
| WS : Water Side |                      | M : Minimally Acceptable | C : Corrected                           | Ob : Design & System Obsolescence |  |
| CR : Crown      |                      | U : Unacceptable         | A/W : Acceptable but Monitor & Maintain | En : Enforcement                  |  |

**Flood Control Project Maintenance  
Levee Inspections**

## Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 1001 Nicolaus

| Waterway               | Bank | Unit Miles | Inspection Start/End     | Inspector        |
|------------------------|------|------------|--------------------------|------------------|
| Unit No. 03 Bear River | Left | 12.58      | 04/03/2018<br>04/03/2018 | Sterling<br>York |

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 6.47                    | Rating **    | C  | Issue No.              | 40            |
| LM End   | 6.47                    | Issue Type + | Ma | Location *             | WS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Slope Stability         |              |    | 38.984020 °            | 38.984020 °   |
|  |                         |              |    | -121.487404 °          | -121.487404 ° |
| DWR ID   | DWR_RD1001_03_f_2016_40 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| S2 : Repair the levee slope damaged by foot traffic and prevent access where possible. |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
| Fixed slope due to foot traffic, Spring 2018.  |                         |              |    |                        |               |

No Photos

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 6.47                    | Rating **    | C  | Issue No.              | 38            |
| LM End   | 6.47                    | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Erosion / Bank Caving   |              |    | 38.984019 °            | 38.984019 °   |
|  |                         |              |    | -121.487404 °          | -121.487404 ° |
| DWR ID   | DWR_RD1001_03_s_2013_38 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| E2 : Schedule repair of erosion site prior to the next inspection. |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
| Fixed erosion at end of curb, Spring 2018.                         |                         |              |    |                        |               |

No Photos

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | 6.50                    | Rating **    | C  | Issue No.              | 41            |
| LM End  | 6.50                    | Issue Type + | En | Location *             | LS            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Encroachments           |              |    | 38.983978 °            | 38.983978 °   |
|   |                         |              |    | -121.488053 °          | -121.488053 ° |
| DWR ID  | DWR_RD1001_03_s_2017_41 |              |    |                        |               |
| Comment Code  |                         |              |    |                        |               |
| PR : Prunings   |                         |              |    |                        |               |
| Inspector Comment   |                         |              |    |                        |               |
| Removed pruning & stumps from levee slope and toe. Spring 2018. |                         |              |    |                        |               |

No Photos

|                 |                      |                          |   |                                   |  |
|-----------------|----------------------|--------------------------|---|-----------------------------------|--|
| * Location      |                      | ** Rating                |   | + Issue Type                      |  |
| LS : Land Side  | N/A : Not Applicable | A : Acceptable           | N : Not Inspected/Rated                 | Ma : Maintenance Deficiency       |  |
| WS : Water Side |                      | M : Minimally Acceptable | C : Corrected                           | Ob : Design & System Obsolescence |  |
| CR : Crown      |                      | U : Unacceptable         | A/W : Acceptable but Monitor & Maintain | En : Enforcement                  |  |

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway               | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|------------------------|------|------------|--------------------------|---------------|
| Unit No. 03 Bear River | Left | 12.58      | 04/03/2018<br>04/03/2018 | Sterling York |

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 6.90                    | Rating **    | M  | Issue No.              | 39            |
| LM End   | 6.90                    | Issue Type + | En | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Encroachments           |              |    | 38.983222 °            | 38.983222 °   |
|  |                         |              |    | -121.495366 °          | -121.495366 ° |
| DWR ID   | DWR_RD1001_03_s_2013_39 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| PR : Prunings  |                         |              |    |                        |               |
| Inspector Comment                                      |                         |              |    |                        |               |
| Remove existing pruning's from levee toe, Spring 2018. |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_37\_39\_20180302\_00032.jpg



View looking downstream landside of walnut stumps and pruning's within the easement of the levee, Fall 2017.

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 7.05                    | Rating **    | M  | Issue No.              | 19            |
| LM End   | 7.05                    | Issue Type + | En | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Encroachments           |              |    | 38.982871 °            | 38.982871 °   |
|  |                         |              |    | -121.498150 °          | -121.498150 ° |
| DWR ID   | DWR_RD1001_03_s_2018_19 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| PR : Prunings  |                         |              |    |                        |               |
| Inspector Comment                                      |                         |              |    |                        |               |
| Remove existing pruning's from levee toe, Spring 2018. |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_37\_19\_20180409\_00074.jpg



View looking downstream landside of pruning's within the easement of the levee, Spring 2018.

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 7.15                    | Rating **    | C  | Issue No.              | 56            |
| LM End   | 7.15                    | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Vegetation              |              |    | 38.982681 °            | 38.982681 °   |
|  |                         |              |    | -121.500013 °          | -121.500013 ° |
| DWR ID   | DWR_RD1001_03_f_2017_56 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| V2 : Remove the wild growth other than native grasses from the levee slopes. |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
| Removed blackberry bushes from levee slope, Spring 2018.                     |                         |              |    |                        |               |

No Photos

|                 |                      |                          |   |                                   |  |
|-----------------|----------------------|--------------------------|---|-----------------------------------|--|
| * Location      |                      | ** Rating                |   | + Issue Type                      |  |
| LS : Land Side  | N/A : Not Applicable | A : Acceptable           | N : Not Inspected/Rated                 | Ma : Maintenance Deficiency       |  |
| WS : Water Side |                      | M : Minimally Acceptable | C : Corrected                           | Ob : Design & System Obsolescence |  |
| CR : Crown      |                      | U : Unacceptable         | A/W : Acceptable but Monitor & Maintain | En : Enforcement                  |  |



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway               | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|------------------------|------|------------|--------------------------|---------------|
| Unit No. 03 Bear River | Left | 12.58      | 04/03/2018<br>04/03/2018 | Sterling York |

|  |                                  |              |    |                        |               |
|--|----------------------------------|--------------|----|------------------------|---------------|
| LM Start   | 7.22                             | Rating **    | M  | Issue No.              | 17            |
| LM End   | 7.31                             | Issue Type + | Ma | Location *             | WS            |
| Category   | Supplemental                     |              |    | GPS Latitude/Longitude |               |
|  |                                  |              |    | Start                  | End           |
| Item   | 2015 USACE Erosion Survey, DRAFT |              |    | 38.982737 °            | 38.982572 °   |
|  |                                  |              |    | -121.501144 °          | -121.502797 ° |
| DWR ID   | DWR_RD1001_03_s_2016_17          |              |    |                        |               |
| Comment Code   |                                  |              |    |                        |               |
|  |                                  |              |    |                        |               |
| Inspector Comment  |                                  |              |    |                        |               |
| 2008 - Sandy/silty banks with rotational slab failures creating near vertical bank with pop-outs due to tree failures. Narrow berm. 2015: Last observed in 2013. [2015 Site ID: BER_5-7_L] |                                  |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_37\_17\_20180302\_00017.jpg



USACE 2013 Photo #1

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | 7.72                    | Rating **    | M  | Issue No.              | 25            |
| LM End  | 7.72                    | Issue Type + | Ma | Location *             | WS            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Trim / Thin Trees       |              |    | 38.980342 °            | 38.980342 °   |
|   |                         |              |    | -121.509712 °          | -121.509712 ° |
| DWR ID  | DWR_RD1001_03_s_2018_25 |              |    |                        |               |
| Comment Code  |                         |              |    |                        |               |
| T1 : Trim trees to at least five feet above ground level. |                         |              |    |                        |               |
| Inspector Comment   |                         |              |    |                        |               |
| Remove fallen tree from levee slope, Spring 2018.         |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_37\_25\_20180409\_00076.jpg



View looking downstream waterside of a fallen tree that needs to be removed, Spring 2018.

|  |                         |              |     |                        |               |
|--|-------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 9.31                    | Rating **    | A/W | Issue No.              | 44            |
| LM End   | 9.31                    | Issue Type + | Ma  | Location *             | WS            |
| Category   | Earthen Levee           |              |     | GPS Latitude/Longitude |               |
|  |                         |              |     | Start                  | End           |
| Item   | Vegetation              |              |     | 38.970576 °            | 38.970576 °   |
|  |                         |              |     | -121.533334 °          | -121.533334 ° |
| DWR ID   | DWR_RD1001_03_f_2016_44 |              |     |                        |               |
| Comment Code   |                         |              |     |                        |               |
| V4 : Elderberries are blocking visibility and flood fight capability.            |                         |              |     |                        |               |
| Inspector Comment  |                         |              |     |                        |               |
| Elderberries bushes have been trimmed up for access and visibility, Spring 2018. |                         |              |     |                        |               |

No Photos

|                 |                      |                          |   |                                   |  |
|-----------------|----------------------|--------------------------|---|-----------------------------------|--|
| * Location      |                      | ** Rating                |   | + Issue Type                      |  |
| LS : Land Side  | N/A : Not Applicable | A : Acceptable           | N : Not Inspected/Rated                 | Ma : Maintenance Deficiency       |  |
| WS : Water Side |                      | M : Minimally Acceptable | C : Corrected                           | Ob : Design & System Obsolescence |  |
| CR : Crown      |                      | U : Unacceptable         | A/W : Acceptable but Monitor & Maintain | En : Enforcement                  |  |

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway               | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|------------------------|------|------------|--------------------------|---------------|
| Unit No. 03 Bear River | Left | 12.58      | 04/03/2018<br>04/03/2018 | Sterling York |

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | 10.13                   | Rating **    | M  | Issue No.              | 31            |
| LM End  | 10.18                   | Issue Type + | Ma | Location *             | LS            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Trim / Thin Trees       |              |    | 38.967683 °            | 38.966864 °   |
|   |                         |              |    | -121.543595 °          | -121.543688 ° |
| DWR ID  | DWR_RD1001_03_s_2018_31 |              |    |                        |               |
| Comment Code  |                         |              |    |                        |               |
| T1 : Trim trees to at least five feet above ground level. |                         |              |    |                        |               |
| Inspector Comment   |                         |              |    |                        |               |
| Trim tree limbs for access and visibility, Spring 2018.   |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_37\_31\_20180409\_00077.jpg



View looking downstream waterside of tree that needs trimmed for access and visibility, Spring 2018.

|  |                                  |              |    |                        |               |
|--|----------------------------------|--------------|----|------------------------|---------------|
| LM Start   | 10.36                            | Rating **    | M  | Issue No.              | 10            |
| LM End   | 10.40                            | Issue Type + | Ma | Location *             | WS            |
| Category   | Supplemental                     |              |    | GPS Latitude/Longitude |               |
|  |                                  |              |    | Start                  | End           |
| Item   | 2015 USACE Erosion Survey, DRAFT |              |    | 38.964583 °            | 38.964010 °   |
|  |                                  |              |    | -121.544967 °          | -121.545228 ° |
| DWR ID   | DWR_RD1001_03_s_2016_10          |              |    |                        |               |
| Comment Code   |                                  |              |    |                        |               |
|  |                                  |              |    |                        |               |
| Inspector Comment  |                                  |              |    |                        |               |
| 2011 - Large section of bank has slumped off. RD has flagged and appears to be watching. 2012 - Slopes slightly steeper. 2013 - Minor new erosion observed. 2015: Last observed in 2013. [2015 Site ID: BER_2-5_L] |                                  |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_37\_10\_20180302\_00011.jpg



USACE 2013 Photo #1

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start                                 | 10.49                   | Rating **    | U  | Issue No.              | 11            |
| LM End                                   | 10.49                   | Issue Type + | En | Location *             | LS            |
| Category                                 | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item                                     | Encroachments           |              |    | 38.962770 °            | 38.962770 °   |
|  |                         |              |    | -121.545741 °          | -121.545741 ° |
| DWR ID                                   | DWR_RD1001_03_f_2015_11 |              |    |                        |               |
| Comment Code                             |                         |              |    |                        |               |
| BU : Building                            |                         |              |    |                        |               |
| Inspector Comment                        |                         |              |    |                        |               |
| Small sheds are at levee toe, Fall 2017. |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_37\_11\_20180302\_00012.jpg



View of building at the landside toe. Fall 2017.

\* Location  
LS : Land Side N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable N : Not Inspected/Rated  
M : Minimally Acceptable C : Corrected  
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway               | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|------------------------|------|------------|--------------------------|---------------|
| Unit No. 03 Bear River | Left | 12.58      | 04/03/2018<br>04/03/2018 | Sterling York |

|   |                                  |              |     |                        |               |
|---|----------------------------------|--------------|-----|------------------------|---------------|
| LM Start  | 11.08                            | Rating **    | A/W | Issue No.              | 1             |
| LM End  | 11.16                            | Issue Type + | Ma  | Location *             | WS            |
| Category  | Supplemental                     |              |     | GPS Latitude/Longitude |               |
|   |                                  |              |     | Start                  | End           |
| Item  | 2015 USACE Erosion Survey, DRAFT |              |     | 38.955070 °            | 38.954227 °   |
|   |                                  |              |     | -121.549528 °          | -121.550592 ° |
| DWR ID  | DWR_RD1001_03_s_2016_1           |              |     |                        |               |
| Comment Code  |                                  |              |     |                        |               |
|   |                                  |              |     |                        |               |
| Inspector Comment   |                                  |              |     |                        |               |
| 2011 - Large slumped sections of bank. 2012 - Slopes slightly steeper. 2015: Last observed in 2013. [2015 Site ID: BER_1-9_L] |                                  |              |     |                        |               |
|   |                                  |              |     |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_37\_1\_20180302\_00001.jpg



USACE 2013 Photo #1

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | 11.23                   | Rating **    | M  | Issue No.              | 22            |
| LM End  | 11.26                   | Issue Type + | Ma | Location *             | LS            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Vegetation              |              |    | 38.953367 °            | 38.953025 °   |
|   |                         |              |    | -121.551428 °          | -121.551808 ° |
| DWR ID  | DWR_RD1001_03_s_2012_22 |              |    |                        |               |
| Comment Code  |                         |              |    |                        |               |
| V4 : Elderberries are blocking visibility and flood fight capability. |                         |              |    |                        |               |
| Inspector Comment   |                         |              |    |                        |               |
|   |                         |              |    |                        |               |

No Photos

|  |   |   |
|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|---|---|



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway               | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|------------------------|------|------------|--------------------------|---------------|
| Unit No. 03 Bear River | Left | 12.58      | 04/03/2018<br>04/03/2018 | Sterling York |

|   |                                  |              |     |                        |               |
|---|----------------------------------|--------------|-----|------------------------|---------------|
| LM Start  | 12.07                            | Rating **    | A/W | Issue No.              | 4             |
| LM End  | 12.16                            | Issue Type + | Ma  | Location *             | WS            |
| Category  | Supplemental                     |              |     | GPS Latitude/Longitude |               |
|   |                                  |              |     | Start                  | End           |
| Item  | 2015 USACE Erosion Survey, DRAFT |              |     | 38.947591 °            | 38.946477 °   |
|   |                                  |              |     | -121.563390 °          | -121.564094 ° |
| DWR ID  | DWR_RD1001_03_s_2016_4           |              |     |                        |               |
| Comment Code  |                                  |              |     |                        |               |
|   |                                  |              |     |                        |               |
| Inspector Comment   |                                  |              |     |                        |               |
| 2006 - Multiple rotational failures in the berm. Erosion is into the levee toe and lower slope. Tension cracks extensive at top of bank. Cohesive toe creates a bench on which failures occur. 2007 - Still steep bank with some berm with pistol-butted reeds. 2012 - Site extended upstream due to additional slumping. Slopes slightly steeper. 2015: Last observed in 2013. [2015 Site ID: BER_0-8_L] |                                  |              |     |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_37\_4\_20180302\_00005.jpg



USACE 2013 Photo #1

|                            |                         |              |    |                        |               |
|----------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start                   | 12.11                   | Rating **    | C  | Issue No.              | 14            |
| LM End                     | 12.14                   | Issue Type + | Ma | Location *             | WS            |
| Category                   | Supplemental            |              |    | GPS Latitude/Longitude |               |
|                            |                         |              |    | Start                  | End           |
| Item                       | 2017 Storm Damage       |              |    | 38.947090 °            | 38.946751 °   |
|                            |                         |              |    | -121.563603 °          | -121.563825 ° |
| DWR ID                     | DWR_RD1001_03_f_2017_14 |              |    |                        |               |
| Comment Code               |                         |              |    |                        |               |
|                            |                         |              |    |                        |               |
| Inspector Comment          |                         |              |    |                        |               |
| Levee Evaluation Comments  |                         |              |    |                        |               |
| Description:               |                         |              |    |                        |               |
| Site ID No:141             |                         |              |    |                        |               |
| Site Designation:LMA-21    |                         |              |    |                        |               |
| Repair Type: Erosion       |                         |              |    |                        |               |
| Rating:Critical            |                         |              |    |                        |               |
| Field Date:6/6/2017        |                         |              |    |                        |               |
| Notes: Deep scarp in bank. |                         |              |    |                        |               |

No Photos

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable                      N : Not Inspected/Rated<br>M : Minimally Acceptable        C : Corrected<br>U : Unacceptable                  A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway               | Bank | Unit Miles | Inspection Start/End     | Inspector        |
|------------------------|------|------------|--------------------------|------------------|
| Unit No. 03 Bear River | Left | 12.58      | 04/03/2018<br>04/03/2018 | Sterling<br>York |

|   |                         |              |                        |               |           |
|---|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start  | <b>12.18</b>            | Rating **    | M                      | Issue No.     | <b>27</b> |
| LM End  | <b>12.18</b>            | Issue Type + | Ma                     | Location *    | LS        |
| Category  | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|   |                         |              | Start                  | End           |           |
| Item  | Vegetation              |              | 38.946248 °            | 38.946248 °   |           |
|   |                         |              | -121.564220 °          | -121.564220 ° |           |
| DWR ID  | DWR_RD1001_03_s_2012_27 |              |                        |               |           |
| Comment Code  |                         |              |                        |               |           |
| V4 : Elderberries are blocking visibility and flood fight capability. |                         |              |                        |               |           |
| Inspector Comment   |                         |              |                        |               |           |
|   |                         |              |                        |               |           |

No Photos

|  |   |   |
|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2018 Levee Inspection Results**

**Reclamation District No. 1001 Nicolaus**

| Waterway                               |                         |                           | Bank                           | Unit Miles                      |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 04 Feather River              |                         |                           | Left                           | 13.27                           |
|  | Spring<br>(March - May) | Summer<br>(June - August) | (September - November)<br>Fall | Winter<br>(December - February) |
| Unit Maintenance Rating<br>(Fall Only) |                         |                           |                                |                                 |
| Date of Inspection                     | 4/3/2018 - 4/4/2018     |                           |                                |                                 |
| DWR Inspector                          | Sterling York           |                           |                                |                                 |
| Accompanied By                         | Joe Henderson<br>RD1001 |                           |                                |                                 |

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway                  | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|---------------------------|------|------------|--------------------------|---------------|
| Unit No. 04 Feather River | Left | 13.27      | 04/03/2018<br>04/04/2018 | Sterling York |

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 0.04                    | Rating **    | A  | Issue No.              | 55            |
| LM End   | 13.26                   | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Vegetation              |              |    | 38.940543 °            | 38.781191 °   |
|  |                         |              |    | -121.567800 °          | -121.605619 ° |
| DWR ID   | DWR_RD1001_04_f_2017_55 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| V1 : Control annual grass and weeds on the levee slopes and easements. |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
| Annual vegetation is well maintained, Spring 2018.                     |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_38\_55\_20180411\_00083.jpg



View looking downstream landside of the well maintained annual vegetation, Spring 2018.

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 0.04                    | Rating **    | A  | Issue No.              | 39            |
| LM End   | 13.26                   | Issue Type + | Ma | Location *             | WS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Vegetation              |              |    | 38.940542 °            | 38.781154 °   |
|  |                         |              |    | -121.567798 °          | -121.605746 ° |
| DWR ID   | DWR_RD1001_04_s_2018_39 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| V1 : Control annual grass and weeds on the levee slopes and easements. |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
| Annual vegetation is well maintained, Spring 2018.                     |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_38\_39\_20180411\_00084.jpg



View looking downstream waterside of the well maintained annual vegetation, Spring 2018.

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway                  | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|---------------------------|------|------------|--------------------------|---------------|
| Unit No. 04 Feather River | Left | 13.27      | 04/03/2018<br>04/04/2018 | Sterling York |

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | 0.12                    | Rating **    | M  | Issue No.              | 31            |
| LM End  | 0.15                    | Issue Type + | Ma | Location *             | LS            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Trim / Thin Trees       |              |    | 38.939388 °            | 38.938985 °   |
|   |                         |              |    | -121.567782 °          | -121.567772 ° |
| DWR ID  | DWR_RD1001_04_s_2018_31 |              |    |                        |               |
| Comment Code  |                         |              |    |                        |               |
| T1 : Trim trees to at least five feet above ground level. |                         |              |    |                        |               |
| Inspector Comment   |                         |              |    |                        |               |
| Remove downed tree from levee slope, Spring 2018.         |                         |              |    |                        |               |

Photo 1 of 2 : SP\_2018\_RD1001\_38\_31\_20180411\_00085.jpg



View looking downstream landside of a downed tree that need to be removed from levee slope, Spring 2018.

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>0.12</b> | Rating **    | M  | Issue No.  | <b>31 (cont)</b> |
| LM End   | <b>0.15</b> | Issue Type + | Ma | Location * | LS               |

Photo 2 of 2 : SP\_2018\_RD1001\_38\_31\_20180411\_00086.jpg



Second view looking downstream landside of a downed tree that need to be removed from levee slope, Spring 2018.

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 0.13                    | Rating **    | M  | Issue No.              | 57            |
| LM End   | 0.13                    | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Vegetation              |              |    | 38.939219 °            | 38.939219 °   |
|  |                         |              |    | -121.567789 °          | -121.567789 ° |
| DWR ID   | DWR_RD1001_04_f_2017_57 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| V2 : Remove the wild growth other than native grasses from the levee slopes. |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
| Remove wild growth from levee slope, Fall 2017.                              |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_38\_57\_20180302\_00043.jpg



View looking downstream landside of wild growth that is creeping up the levee slope, Fall 2017.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway                  | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|---------------------------|------|------------|--------------------------|---------------|
| Unit No. 04 Feather River | Left | 13.27      | 04/03/2018<br>04/04/2018 | Sterling York |

|   |                        |              |    |                        |               |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start                                      | 0.14                   | Rating **    | M  | Issue No.              | 3             |
| LM End  | 0.14                   | Issue Type + | Ma | Location *             | WS            |
| Category                                      | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|   |                        |              |    | Start                  | End           |
| Item  | Encroachments          |              |    | 38.939029 °            | 38.939029 °   |
|   |                        |              |    | -121.567771 °          | -121.567771 ° |
| DWR ID  | DWR_RD1001_04_s_2017_3 |              |    |                        |               |
| Comment Code                                  |                        |              |    |                        |               |
| PR : Prunings                                 |                        |              |    |                        |               |
| Inspector Comment                             |                        |              |    |                        |               |
| Remove pruning's from hinge point, Fall 2017. |                        |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_38\_3\_20180302\_00003.jpg



View looking downstream of pruning's on hinge point, Fall 2017.

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | 0.17                    | Rating **    | M  | Issue No.              | 46            |
| LM End  | 0.17                    | Issue Type + | Ma | Location *             | LS            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Vegetation              |              |    | 38.938715 °            | 38.938715 °   |
|   |                         |              |    | -121.567768 °          | -121.567768 ° |
| DWR ID  | DWR_RD1001_04_f_2016_46 |              |    |                        |               |
| Comment Code  |                         |              |    |                        |               |
| V2 : Remove the wild growth other than native grasses from the levee slopes.  |                         |              |    |                        |               |
| Inspector Comment   |                         |              |    |                        |               |
| Keep the Blackberry bush from climbing the landside levee slope, Spring 2018. |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_38\_46\_20180411\_00087.jpg



View looking downstream landside of wild growth that is creeping up the levee slope, Spring 2018.

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | 0.18                    | Rating **    | M  | Issue No.              | 63            |
| LM End  | 0.18                    | Issue Type + | Ma | Location *             | LS            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Slope Stability         |              |    | 38.938534 °            | 38.938534 °   |
|   |                         |              |    | -121.567729 °          | -121.567729 ° |
| DWR ID  | DWR_RD1001_04_s_2016_63 |              |    |                        |               |
| Comment Code  |                         |              |    |                        |               |
| S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible. |                         |              |    |                        |               |
| Inspector Comment   |                         |              |    |                        |               |
| Repair slope damage caused by ATV, Spring 2018.   |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_38\_63\_20180411\_00088.jpg



View of landside slope erosion caused by vehicles, Spring 2018.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway                  | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|---------------------------|------|------------|--------------------------|---------------|
| Unit No. 04 Feather River | Left | 13.27      | 04/03/2018<br>04/04/2018 | Sterling York |

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | 0.20                    | Rating **    | M  | Issue No.              | 42            |
| LM End  | 0.20                    | Issue Type + | Ma | Location *             | CR            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Encroachments           |              |    | 38.938233 °            | 38.938233 °   |
|   |                         |              |    | -121.567731 °          | -121.567731 ° |
| DWR ID  | DWR_RD1001_04_s_2017_42 |              |    |                        |               |
| Comment Code  |                         |              |    |                        |               |
| PR : Prunings   |                         |              |    |                        |               |
| Inspector Comment   |                         |              |    |                        |               |
| Remove pruning's from fallen tree from both sides of hinge points, Spring 2017. |                         |              |    |                        |               |

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>0.20</b> | Rating **    | M  | Issue No.  | <b>42 (cont)</b> |
| LM End   | <b>0.20</b> | Issue Type + | Ma | Location * | CR               |

Photo 1 of 2 : SP\_2018\_RD1001\_38\_42\_20180411\_00089.jpg



View looking downstream of pruning's from fallen tree on both sides of hinge points, Spring 2018.

Photo 2 of 2 : SP\_2018\_RD1001\_38\_42\_20180302\_00029.jpg



View looking downstream of pruning's from fallen tree on both sides of hinge points, Fall 2017.

|  |                         |              |     |                        |               |
|--|-------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 0.37                    | Rating **    | A/W | Issue No.              | 64            |
| LM End   | 0.37                    | Issue Type + | Ma  | Location *             | LS            |
| Category   | Earthen Levee           |              |     | GPS Latitude/Longitude |               |
|  |                         |              |     | Start                  | End           |
| Item   | Animal Control          |              |     | 38.935903 °            | 38.935903 °   |
|  |                         |              |     | -121.567250 °          | -121.567250 ° |
| DWR ID   | DWR_RD1001_04_s_2016_64 |              |     |                        |               |
| Comment Code   |                         |              |     |                        |               |
| A2 : Repair the levee slope damaged by livestock and prevent large animal access.    |                         |              |     |                        |               |
| Inspector Comment  |                         |              |     |                        |               |
| Animal trail is not being used and shows no sign of erosion or sloughing. Fall 2017. |                         |              |     |                        |               |

Photo 1 of 3 : SP\_2018\_RD1001\_38\_64\_20180302\_00049.jpg



Livestock trail cut into landside slope. Spring 2016.

|                   |                      |                          |   |                                   |  |
|-------------------|----------------------|--------------------------|---|-----------------------------------|--|
| <b>* Location</b> |                      | <b>** Rating</b>         |   | <b>+ Issue Type</b>               |  |
| LS : Land Side    | N/A : Not Applicable | A : Acceptable           | N : Not Inspected/Rated                 | Ma : Maintenance Deficiency       |  |
| WS : Water Side   |                      | M : Minimally Acceptable | C : Corrected                           | Ob : Design & System Obsolescence |  |
| CR : Crown        |                      | U : Unacceptable         | A/W : Acceptable but Monitor & Maintain | En : Enforcement                  |  |

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway                  | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|---------------------------|------|------------|--------------------------|---------------|
| Unit No. 04 Feather River | Left | 13.27      | 04/03/2018<br>04/04/2018 | Sterling York |

|  |                         |              |     |                        |           |               |
|--|-------------------------|--------------|-----|------------------------|-----------|---------------|
| LM Start   | 0.37                    | Rating **    | A/W | Issue No.              | 64 (cont) |               |
| LM End   | 0.37                    | Issue Type + | Ma  | Location *             | LS        |               |
| Category   | Earthen Levee           |              |     | GPS Latitude/Longitude |           |               |
|  |                         |              |     | Start                  |           | End           |
| Item   | Animal Control          |              |     | 38.935903 °            |           | 38.935903 °   |
|  |                         |              |     | -121.567250 °          |           | -121.567250 ° |
| DWR ID   | DWR_RD1001_04_s_2016_64 |              |     |                        |           |               |
| Comment Code   |                         |              |     |                        |           |               |
| A2 : Repair the levee slope damaged by livestock and prevent large animal access.    |                         |              |     |                        |           |               |
| Inspector Comment  |                         |              |     |                        |           |               |
| Animal trail is not being used and shows no sign of erosion or sloughing. Fall 2017. |                         |              |     |                        |           |               |

|          |             |              |     |            |                  |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | <b>0.37</b> | Rating **    | A/W | Issue No.  | <b>64 (cont)</b> |
| LM End   | <b>0.37</b> | Issue Type + | Ma  | Location * | LS               |

Photo 2 of 3 : SP\_2018\_RD1001\_38\_64\_20180302\_00050.jpg



View of animal trail cut into the landside levee slope. Fall 2016.

Photo 3 of 3 : SP\_2018\_RD1001\_38\_64\_20180302\_00051.jpg



View looking downstream of animal trail that is not being used and shows no sign of erosion or sloughing. Spring 2017.

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | 0.39                    | Rating **    | M  | Issue No.              | 16            |
| LM End  | 0.39                    | Issue Type + | Ma | Location *             | LS            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Slope Stability         |              |    | 38.935519 °            | 38.935519 °   |
|   |                         |              |    | -121.567042 °          | -121.567042 ° |
| DWR ID  | DWR_RD1001_04_f_2015_16 |              |    |                        |               |
| Comment Code  |                         |              |    |                        |               |
| S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible. |                         |              |    |                        |               |
| Inspector Comment   |                         |              |    |                        |               |
| Repair slope damage caused by ATV, Fall 2017.   |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_38\_16\_20180302\_00009.jpg



View of rut made up the landside levee slope. Fall 2016.

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable  |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|  |  | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  |   |  |



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway                  | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|---------------------------|------|------------|--------------------------|---------------|
| Unit No. 04 Feather River | Left | 13.27      | 04/03/2018<br>04/04/2018 | Sterling York |

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 0.49                    | Rating **    | M  | Issue No.              | 59            |
| LM End   | 0.49                    | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Trim / Thin Trees       |              |    | 38.934139 °            | 38.934139 °   |
|  |                         |              |    | -121.567025 °          | -121.567025 ° |
| DWR ID   | DWR_RD1001_04_f_2016_59 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| T2 : Thin trees to allow visibility of the ground and room to flood fight. |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
| Trees 4" in diameter or less at chest height should be removed.            |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_38\_59\_20180302\_00045.jpg



View of three trees with diameters less than 4". Fall 2016.

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start                                    | 0.51                    | Rating **    | N  | Issue No.              | 21            |
| LM End                                      | 0.51                    | Issue Type + | Ma | Location *             | LS            |
| Category                                    | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Trim / Thin Trees       |              |    | 38.933796 °            | 38.933796 °   |
|   |                         |              |    | -121.567047 °          | -121.567047 ° |
| DWR ID                                      | DWR_RD1001_04_f_2015_21 |              |    |                        |               |
| Comment Code                                |                         |              |    |                        |               |
| T5 : Tree stumps.                           |                         |              |    |                        |               |
| Inspector Comment                           |                         |              |    |                        |               |
| Remove stump from the landside levee slope. |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_38\_21\_20180302\_00013.jpg



View of a stump in the landside levee slope. Fall 2016.

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | 0.55                    | Rating **    | M  | Issue No.              | 68            |
| LM End  | 0.55                    | Issue Type + | Ma | Location *             | LS            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Slope Stability         |              |    | 38.933299 °            | 38.933299 °   |
|   |                         |              |    | -121.567069 °          | -121.567069 ° |
| DWR ID  | DWR_RD1001_04_s_2016_68 |              |    |                        |               |
| Comment Code  |                         |              |    |                        |               |
| S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible. |                         |              |    |                        |               |
| Inspector Comment   |                         |              |    |                        |               |
| Repair slope damage caused by ATV, Spring 2018.   |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_38\_68\_20180411\_00090.jpg



View of ruts caused by vehicle on the landside levee slope. Spring 2018.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway                  | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|---------------------------|------|------------|--------------------------|---------------|
| Unit No. 04 Feather River | Left | 13.27      | 04/03/2018<br>04/04/2018 | Sterling York |

|                   |                         |              |    |                        |               |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start          | 0.55                    | Rating **    | N  | Issue No.              | 60            |
| LM End            | 0.55                    | Issue Type + | Ma | Location *             | WS            |
| Category          | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                   |                         |              |    | Start                  | End           |
| Item              | Trim / Thin Trees       |              |    | 38.933229 °            | 38.933229 °   |
|                   |                         |              |    | -121.567097 °          | -121.567097 ° |
| DWR ID            | DWR_RD1001_04_f_2016_60 |              |    |                        |               |
| Comment Code      |                         |              |    |                        |               |
| T5 : Tree stumps. |                         |              |    |                        |               |
| Inspector Comment |                         |              |    |                        |               |
|                   |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_38\_60\_20180302\_00046.jpg



View of tree stump, waterside crown at gate. Fall 2016.

|                   |                         |              |    |                        |               |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start          | 0.55                    | Rating **    | N  | Issue No.              | 61            |
| LM End            | 0.55                    | Issue Type + | Ma | Location *             | LS            |
| Category          | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                   |                         |              |    | Start                  | End           |
| Item              | Trim / Thin Trees       |              |    | 38.933229 °            | 38.933229 °   |
|                   |                         |              |    | -121.567097 °          | -121.567097 ° |
| DWR ID            | DWR_RD1001_04_f_2016_61 |              |    |                        |               |
| Comment Code      |                         |              |    |                        |               |
| T5 : Tree stumps. |                         |              |    |                        |               |
| Inspector Comment |                         |              |    |                        |               |
|                   |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_38\_61\_20180302\_00047.jpg



View of tree stump, landside crown at gate. Fall 2016.

|                   |                         |              |    |                        |               |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start          | 1.06                    | Rating **    | N  | Issue No.              | 69            |
| LM End            | 1.06                    | Issue Type + | Ma | Location *             | LS            |
| Category          | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                   |                         |              |    | Start                  | End           |
| Item              | Trim / Thin Trees       |              |    | 38.926128 °            | 38.926128 °   |
|                   |                         |              |    | -121.568241 °          | -121.568241 ° |
| DWR ID            | DWR_RD1001_04_s_2016_69 |              |    |                        |               |
| Comment Code      |                         |              |    |                        |               |
| T5 : Tree stumps. |                         |              |    |                        |               |
| Inspector Comment |                         |              |    |                        |               |
|                   |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_38\_69\_20180302\_00057.jpg



View of landside toe of a stump that needs to be removed, Fall 2017.

|                 |                      |                          |   |                                   |  |
|-----------------|----------------------|--------------------------|---|-----------------------------------|--|
| * Location      |                      | ** Rating                |   | + Issue Type                      |  |
| LS : Land Side  | N/A : Not Applicable | A : Acceptable           | N : Not Inspected/Rated                 | Ma : Maintenance Deficiency       |  |
| WS : Water Side |                      | M : Minimally Acceptable | C : Corrected                           | Ob : Design & System Obsolescence |  |
| CR : Crown      |                      | U : Unacceptable         | A/W : Acceptable but Monitor & Maintain | En : Enforcement                  |  |

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway                  | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|---------------------------|------|------------|--------------------------|---------------|
| Unit No. 04 Feather River | Left | 13.27      | 04/03/2018<br>04/04/2018 | Sterling York |

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start                                       | 1.07                    | Rating **    | M  | Issue No.              | 65            |
| LM End   | 1.07                    | Issue Type + | Ma | Location *             | CR            |
| Category                                       | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Encroachments           |              |    | 38.925991 °            | 38.925991 °   |
|  |                         |              |    | -121.568282 °          | -121.568282 ° |
| DWR ID   | DWR_RD1001_04_f_2017_65 |              |    |                        |               |
| Comment Code                                   |                         |              |    |                        |               |
| FW : Firewood                                  |                         |              |    |                        |               |
| Inspector Comment                              |                         |              |    |                        |               |
| Remove firewood from levee crown, Spring 2018. |                         |              |    |                        |               |

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>1.07</b> | Rating **    | M  | Issue No.  | <b>65 (cont)</b> |
| LM End   | <b>1.07</b> | Issue Type + | Ma | Location * | CR               |

Photo 1 of 2 : SP\_2018\_RD1001\_38\_65\_20180302\_00052.jpg



View looking downstream waterside crown at firewood, Fall 2017.

Photo 2 of 2 : SP\_2018\_RD1001\_38\_65\_20180411\_00091.jpg



|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | 1.51                    | Rating **    | M  | Issue No.              | 67            |
| LM End  | 1.51                    | Issue Type + | Ma | Location *             | WS            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Encroachments           |              |    | 38.919643 °            | 38.919643 °   |
|   |                         |              |    | -121.569233 °          | -121.569233 ° |
| DWR ID  | DWR_RD1001_04_f_2017_67 |              |    |                        |               |
| Comment Code                                    |                         |              |    |                        |               |
| PR : Prunings                                   |                         |              |    |                        |               |
| Inspector Comment                               |                         |              |    |                        |               |
| Remove pruning's from levee slope, Spring 2018. |                         |              |    |                        |               |

Photo 1 of 2 : SP\_2018\_RD1001\_38\_67\_20180411\_00092.jpg



View looking downstream waterside of pruning's on the levee slope, Spring 2018.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway                  | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|---------------------------|------|------------|--------------------------|---------------|
| Unit No. 04 Feather River | Left | 13.27      | 04/03/2018<br>04/04/2018 | Sterling York |

|   |                         |              |    |                        |           |               |
|---|-------------------------|--------------|----|------------------------|-----------|---------------|
| LM Start  | 1.51                    | Rating **    | M  | Issue No.              | 67 (cont) |               |
| LM End  | 1.51                    | Issue Type + | Ma | Location *             | WS        |               |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |           |               |
|   |                         |              |    | Start                  |           | End           |
| Item  | Encroachments           |              |    | 38.919643 °            |           | 38.919643 °   |
|   |                         |              |    | -121.569233 °          |           | -121.569233 ° |
| DWR ID  | DWR_RD1001_04_f_2017_67 |              |    |                        |           |               |
| Comment Code                                    |                         |              |    |                        |           |               |
| PR : Prunings                                   |                         |              |    |                        |           |               |
| Inspector Comment                               |                         |              |    |                        |           |               |
| Remove pruning's from levee slope, Spring 2018. |                         |              |    |                        |           |               |

Photo 2 of 2 : SP\_2018\_RD1001\_38\_67\_20180302\_00055.jpg



View looking downstream waterside of pruning's on the levee slope, Fall 2017.

|                   |                         |              |    |                        |               |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start          | 2.27                    | Rating **    | M  | Issue No.              | 19            |
| LM End            | 2.27                    | Issue Type + | En | Location *             | LS            |
| Category          | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                   |                         |              |    | Start                  | End           |
| Item              | Encroachments           |              |    | 38.909790 °            | 38.909790 °   |
|                   |                         |              |    | -121.574449 °          | -121.574449 ° |
| DWR ID            | DWR_RD1001_04_s_2013_19 |              |    |                        |               |
| Comment Code      |                         |              |    |                        |               |
| PO : Pole         |                         |              |    |                        |               |
| Inspector Comment |                         |              |    |                        |               |
|                   |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_38\_19\_20180302\_00011.jpg



View of power pole and guy wire on the levee slope. Fall 2016.

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 2.44                    | Rating **    | C  | Issue No.              | 33            |
| LM End   | 2.44                    | Issue Type + | En | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Encroachments           |              |    | 38.907506 °            | 38.907506 °   |
|  |                         |              |    | -121.575390 °          | -121.575390 ° |
| DWR ID   | DWR_RD1001_04_f_2015_33 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| FW : Firewood  |                         |              |    |                        |               |
| Inspector Comment                                      |                         |              |    |                        |               |
| Firewood has been removed from levee toe, Spring 2018. |                         |              |    |                        |               |

No Photos

|                 |                      |                          |   |                                   |  |
|-----------------|----------------------|--------------------------|---|-----------------------------------|--|
| * Location      |                      | ** Rating                |   | + Issue Type                      |  |
| LS : Land Side  | N/A : Not Applicable | A : Acceptable           | N : Not Inspected/Rated                 | Ma : Maintenance Deficiency       |  |
| WS : Water Side |                      | M : Minimally Acceptable | C : Corrected                           | Ob : Design & System Obsolescence |  |
| CR : Crown      |                      | U : Unacceptable         | A/W : Acceptable but Monitor & Maintain | En : Enforcement                  |  |



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway                  | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|---------------------------|------|------------|--------------------------|---------------|
| Unit No. 04 Feather River | Left | 13.27      | 04/03/2018<br>04/04/2018 | Sterling York |

|                   |                         |              |    |                        |               |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start          | 2.59                    | Rating **    | M  | Issue No.              | 20            |
| LM End            | 2.59                    | Issue Type + | En | Location *             | LS            |
| Category          | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                   |                         |              |    | Start                  | End           |
| Item              | Encroachments           |              |    | 38.905773 °            | 38.905773 °   |
|                   |                         |              |    | -121.577164 °          | -121.577164 ° |
| DWR ID            | DWR_RD1001_04_s_2013_20 |              |    |                        |               |
| Comment Code      |                         |              |    |                        |               |
| BU : Building     |                         |              |    |                        |               |
| Inspector Comment |                         |              |    |                        |               |
|                   |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_38\_20\_20180302\_00012.jpg



View of Buildings along the toe within the easement of the landside levee. Fall 2016.

|   |                      |              |    |                        |               |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start  | 2.68                 | Rating **    | M  | Issue No.              | 152           |
| LM End  | 2.68                 | Issue Type + | En | Location *             |               |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |               |
|   |                      |              |    | Start                  | End           |
| Item  | DWR UCIP Field Study |              |    | 38.905089 °            | 38.905089 °   |
|   |                      |              |    | -121.578477 °          | -121.578477 ° |
| DWR ID  |                      |              |    |                        |               |
| Comment Code  |                      |              |    |                        |               |
|   |                      |              |    |                        |               |
| Inspector Comment   |                      |              |    |                        |               |
| FS_ID:41987   |                      |              |    |                        |               |
| DS_ID:22568   |                      |              |    |                        |               |
| EP_NO: N/A  |                      |              |    |                        |               |
| Repair Type: Non-Urgent   |                      |              |    |                        |               |
| Crossing Status: Indicator Found  |                      |              |    |                        |               |
| UCIP Comments: Dense vegetation on slopes should be cleared.  |                      |              |    |                        |               |
| FIELD_STRUCT_DESC: 4-inch steel swimming pool drainage pipe through the levee, 3 feet below the crown. Open on the waterside (WS) end. Swimming pool on the landside (LS) toe. (Nate Wise). [Additional Reference(s): DWR Levee Log, 1993]. |                      |              |    |                        |               |
| FS Date: 5/16/2013  |                      |              |    |                        |               |

Photo 1 of 1 : UCIP\_SP\_2018\_41987\_24126.jpg



LS- only a private swimming pool found.

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|--|--|---|--|---|--|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway                  | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|---------------------------|------|------------|--------------------------|---------------|
| Unit No. 04 Feather River | Left | 13.27      | 04/03/2018<br>04/04/2018 | Sterling York |

|                   |                         |              |    |                        |               |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start          | 2.70                    | Rating **    | M  | Issue No.              | 32            |
| LM End            | 2.70                    | Issue Type + | En | Location *             | LS            |
| Category          | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                   |                         |              |    | Start                  | End           |
| Item              | Encroachments           |              |    | 38.904898 °            | 38.904898 °   |
|                   |                         |              |    | -121.578829 °          | -121.578829 ° |
| DWR ID            | DWR_RD1001_04_f_2016_32 |              |    |                        |               |
| Comment Code      |                         |              |    |                        |               |
| BU : Building     |                         |              |    |                        |               |
| Inspector Comment |                         |              |    |                        |               |
|                   |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_38\_32\_20180302\_00019.jpg



View of shed at landside levee toe in the easement. Fall 2016.

|                   |                         |              |    |                        |               |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start          | 2.76                    | Rating **    | M  | Issue No.              | 34            |
| LM End            | 2.76                    | Issue Type + | En | Location *             | LS            |
| Category          | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                   |                         |              |    | Start                  | End           |
| Item              | Encroachments           |              |    | 38.904351 °            | 38.904351 °   |
|                   |                         |              |    | -121.579718 °          | -121.579718 ° |
| DWR ID            | DWR_RD1001_04_f_2015_34 |              |    |                        |               |
| Comment Code      |                         |              |    |                        |               |
| BU : Building     |                         |              |    |                        |               |
| Inspector Comment |                         |              |    |                        |               |
|                   |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_38\_34\_20180302\_00022.jpg



View of a shed in the easement of the landside levee. Fall 2016.

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | 2.80                    | Rating **    | M  | Issue No.              | 47            |
| LM End  | 2.80                    | Issue Type + | Ma | Location *             | LS            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Trim / Thin Trees       |              |    | 38.903896 °            | 38.903896 °   |
|   |                         |              |    | -121.580230 °          | -121.580230 ° |
| DWR ID  | DWR_RD1001_04_s_2017_47 |              |    |                        |               |
| Comment Code  |                         |              |    |                        |               |
| T1 : Trim trees to at least five feet above ground level. |                         |              |    |                        |               |
| Inspector Comment   |                         |              |    |                        |               |
| Trim limbs 5' for visibility, Fall 2017.                  |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_38\_47\_20180302\_00035.jpg



View looking downstream where limbs need to be trimmed 5' for visibility, Spring 2017.

|                 |                      |                          |   |                                   |  |
|-----------------|----------------------|--------------------------|---|-----------------------------------|--|
| * Location      |                      | ** Rating                |   | + Issue Type                      |  |
| LS : Land Side  | N/A : Not Applicable | A : Acceptable           | N : Not Inspected/Rated                 | Ma : Maintenance Deficiency       |  |
| WS : Water Side |                      | M : Minimally Acceptable | C : Corrected                           | Ob : Design & System Obsolescence |  |
| CR : Crown      |                      | U : Unacceptable         | A/W : Acceptable but Monitor & Maintain | En : Enforcement                  |  |

**Flood Control Project Maintenance  
Levee Inspections**

## Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 1001 Nicolaus

| Waterway                  | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|---------------------------|------|------------|--------------------------|---------------|
| Unit No. 04 Feather River | Left | 13.27      | 04/03/2018<br>04/04/2018 | Sterling York |

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 3.16                    | Rating **    | M  | Issue No.              | 48            |
| LM End   | 3.19                    | Issue Type + | En | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Encroachments           |              |    | 38.899835 °            | 38.899499 °   |
|  |                         |              |    | -121.583986 °          | -121.584462 ° |
| DWR ID   | DWR_RD1001_04_s_2017_48 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| FE : Fence   |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
| Fence and landscaping has been placed by the land owner on levee slope and needs to be removed, Spring 2018. |                         |              |    |                        |               |

Photo 1 of 2 : SP\_2018\_RD1001\_38\_48\_20180411\_00094.jpg



View looking downstream landside of fence and landscaping that has been placed by the land owner on levee slope and needs to be removed, Spring 2018.

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>3.16</b> | Rating **    | M  | Issue No.  | <b>48 (cont)</b> |
| LM End   | <b>3.19</b> | Issue Type + | En | Location * | LS               |

Photo 2 of 2 : SP\_2018\_RD1001\_38\_48\_20180302\_00036.jpg



View looking downstream of fence and landscaping that has been placed by the land owner on levee slope and needs to be removed, Fall 2017.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway                  | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|---------------------------|------|------------|--------------------------|---------------|
| Unit No. 04 Feather River | Left | 13.27      | 04/03/2018<br>04/04/2018 | Sterling York |

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 4.06                    | Rating **    | M  | Issue No.              | 51            |
| LM End   | 4.09                    | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Slope Stability         |              |    | 38.892820 °            | 38.892583 °   |
|  |                         |              |    | -121.598003 °          | -121.598575 ° |
| DWR ID   | DWR_RD1001_04_s_2017_51 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.  |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
| Continual vehicles driving up levee slope should be monitored and maintained, Spring 2018. |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_38\_51\_20180411\_00095.jpg



View of continual vehicles driving up levee slope, should be monitored and maintained, Spring 2018.

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 5.18                    | Rating **    | M  | Issue No.              | 70            |
| LM End   | 5.18                    | Issue Type + | Ma | Location *             | WS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Slope Stability         |              |    | 38.882301 °            | 38.882301 °   |
|  |                         |              |    | -121.611296 °          | -121.611296 ° |
| DWR ID   | DWR_RD1001_04_f_2017_70 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.  |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
| Continual vehicles driving up levee slope should be monitored and maintained, Spring 2018. |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_38\_70\_20180411\_00096.jpg



View looking downstream waterside of the slope that is damage by vehicle traffic, Spring 2018.

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | 5.22                    | Rating **    | M  | Issue No.              | 78            |
| LM End  | 5.22                    | Issue Type + | Ma | Location *             | WS            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Slope Stability         |              |    | 38.881768 °            | 38.881768 °   |
|   |                         |              |    | -121.611302 °          | -121.611302 ° |
| DWR ID  | DWR_RD1001_04_s_2016_78 |              |    |                        |               |
| Comment Code  |                         |              |    |                        |               |
| S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible. |                         |              |    |                        |               |
| Inspector Comment   |                         |              |    |                        |               |
| Repair damage on slope cause by vehicle traffic, Fall 2017.                               |                         |              |    |                        |               |

Photo 1 of 2 : SP\_2018\_RD1001\_38\_78\_20180302\_00059.jpg



Ruts on waterside slope due to vehicles. Spring 2016.

\* Location  
LS : Land Side N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable N : Not Inspected/Rated  
M : Minimally Acceptable C : Corrected  
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway                  | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|---------------------------|------|------------|--------------------------|---------------|
| Unit No. 04 Feather River | Left | 13.27      | 04/03/2018<br>04/04/2018 | Sterling York |

|   |                         |              |    |                        |           |               |
|---|-------------------------|--------------|----|------------------------|-----------|---------------|
| LM Start  | 5.22                    | Rating **    | M  | Issue No.              | 78 (cont) |               |
| LM End  | 5.22                    | Issue Type + | Ma | Location *             | WS        |               |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |           |               |
|   |                         |              |    | Start                  |           | End           |
| Item  | Slope Stability         |              |    | 38.881768 °            |           | 38.881768 °   |
|   |                         |              |    | -121.611302 °          |           | -121.611302 ° |
| DWR ID  | DWR_RD1001_04_s_2016_78 |              |    |                        |           |               |
| Comment Code  |                         |              |    |                        |           |               |
| S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible. |                         |              |    |                        |           |               |
| Inspector Comment   |                         |              |    |                        |           |               |
| Repair damage on slope cause by vehicle traffic, Fall 2017.                               |                         |              |    |                        |           |               |

Photo 2 of 2 : SP\_2018\_RD1001\_38\_78\_20180302\_00060.jpg



Ruts still there on waterside slope due to vehicles. Fall 2016.

|   |                         |              |     |                        |               |
|---|-------------------------|--------------|-----|------------------------|---------------|
| LM Start  | 5.55                    | Rating **    | A/W | Issue No.              | 79            |
| LM End  | 5.55                    | Issue Type + | Ma  | Location *             | WS            |
| Category  | Earthen Levee           |              |     | GPS Latitude/Longitude |               |
|   |                         |              |     | Start                  | End           |
| Item  | Vegetation              |              |     | 38.877256 °            | 38.877256 °   |
|   |                         |              |     | -121.613073 °          | -121.613073 ° |
| DWR ID  | DWR_RD1001_04_s_2016_79 |              |     |                        |               |
| Comment Code  |                         |              |     |                        |               |
| V4 : Elderberries are blocking visibility and flood fight capability. |                         |              |     |                        |               |
| Inspector Comment   |                         |              |     |                        |               |
|   |                         |              |     |                        |               |

No Photos

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable                      N : Not Inspected/Rated<br>M : Minimally Acceptable        C : Corrected<br>U : Unacceptable                  A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway                  | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|---------------------------|------|------------|--------------------------|---------------|
| Unit No. 04 Feather River | Left | 13.27      | 04/03/2018<br>04/04/2018 | Sterling York |

|   |                         |              |     |                        |     |
|---|-------------------------|--------------|-----|------------------------|-----|
| LM Start  | 5.61                    | Rating **    | A/W | Issue No.              | 35  |
| LM End  |                         | Issue Type + | Ma  | Location *             | WS  |
| Category  | Supplemental            |              |     | GPS Latitude/Longitude |     |
|   |                         |              |     | Start                  | End |
| Item  | 2017 Storm Damage       |              |     | 38.876374 °            | °   |
|   |                         |              |     | -121.613425 °          | °   |
| DWR ID  | DWR_RD1001_04_f_2017_35 |              |     |                        |     |
| Comment Code                                      |                         |              |     |                        |     |
|   |                         |              |     |                        |     |
| Inspector Comment                                 |                         |              |     |                        |     |
| Levee Evaluation Comments                         |                         |              |     |                        |     |
| Description:                                      |                         |              |     |                        |     |
| Site ID No:139                                    |                         |              |     |                        |     |
| Site Designation:LMA-19                           |                         |              |     |                        |     |
| Repair Type: Erosion                              |                         |              |     |                        |     |
| Rating:Area of Concern                            |                         |              |     |                        |     |
| Field Date:6/6/2017                               |                         |              |     |                        |     |
| Notes: Several small erosion sites along 2 miles. |                         |              |     |                        |     |

|          |             |              |     |            |                  |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | <b>5.61</b> | Rating **    | A/W | Issue No.  | <b>35 (cont)</b> |
| LM End   |             | Issue Type + | Ma  | Location * | WS               |

Photo 1 of 3 : LEVAL\_SP\_2018\_139\_1148.jpg



Photo 2 of 3 : LEVAL\_SP\_2018\_139\_1154.jpg



|  |  |   |  |   |  |
|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|--|--|---|--|---|--|



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway                  | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|---------------------------|------|------------|--------------------------|---------------|
| Unit No. 04 Feather River | Left | 13.27      | 04/03/2018<br>04/04/2018 | Sterling York |

|   |                         |              |     |                        |           |   |
|---|-------------------------|--------------|-----|------------------------|-----------|---|
| LM Start  | 5.61                    | Rating **    | A/W | Issue No.              | 35 (cont) |   |
| LM End  |                         | Issue Type + | Ma  | Location *             | WS        |   |
| Category  | Supplemental            |              |     | GPS Latitude/Longitude |           |   |
|   |                         |              |     | Start                  | End       |   |
| Item  | 2017 Storm Damage       |              |     | 38.876374 °            |           | ° |
|   |                         |              |     | -121.613425 °          |           | ° |
| DWR ID  | DWR_RD1001_04_f_2017_35 |              |     |                        |           |   |
| Comment Code                                      |                         |              |     |                        |           |   |
|   |                         |              |     |                        |           |   |
| Inspector Comment                                 |                         |              |     |                        |           |   |
| Levee Evaluation Comments                         |                         |              |     |                        |           |   |
| Description:                                      |                         |              |     |                        |           |   |
| Site ID No:139                                    |                         |              |     |                        |           |   |
| Site Designation:LMA-19                           |                         |              |     |                        |           |   |
| Repair Type: Erosion                              |                         |              |     |                        |           |   |
| Rating:Area of Concern                            |                         |              |     |                        |           |   |
| Field Date:6/6/2017                               |                         |              |     |                        |           |   |
| Notes: Several small erosion sites along 2 miles. |                         |              |     |                        |           |   |

Photo 3 of 3 : LEVAL\_SP\_2018\_139\_1155.jpg



|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start                               | 5.71                    | Rating **    | M  | Issue No.              | 27            |
| LM End                                 | 5.71                    | Issue Type + | En | Location *             | LS            |
| Category                               | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item                                   | Encroachments           |              |    | 38.874984 °            | 38.874984 °   |
|  |                         |              |    | -121.614242 °          | -121.614242 ° |
| DWR ID                                 | DWR_RD1001_04_s_2015_27 |              |    |                        |               |
| Comment Code                           |                         |              |    |                        |               |
| PO : Pole                              |                         |              |    |                        |               |
| Inspector Comment                      |                         |              |    |                        |               |
| Remove pole on levee slope, Fall 2017. |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_38\_27\_20180302\_00016.jpg



View of pole on landside, no lines connected to it. Fall 2017.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable                      N : Not Inspected/Rated<br>M : Minimally Acceptable        C : Corrected<br>U : Unacceptable                  A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway                  | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|---------------------------|------|------------|--------------------------|---------------|
| Unit No. 04 Feather River | Left | 13.27      | 04/03/2018<br>04/04/2018 | Sterling York |

|   |                      |              |    |                        |              |
|---|----------------------|--------------|----|------------------------|--------------|
| LM Start  | 5.78                 | Rating **    | M  | Issue No.              | 153          |
| LM End  | 5.78                 | Issue Type + | En | Location *             |              |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |              |
|   |                      |              |    | Start                  | End          |
| Item  | DWR UCIP Field Study |              |    | 38.874113°             | 38.874113°   |
|   |                      |              |    | -121.614846°           | -121.614846° |
| DWR ID  |                      |              |    |                        |              |
| Comment Code  |                      |              |    |                        |              |
|   |                      |              |    |                        |              |
| Inspector Comment   |                      |              |    |                        |              |
| FS_ID:14604<br>DS_ID:22573<br>EP_NO: 10389<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: - water leakage causes erosion on LS slope.- may be pressure breaker valve not closed properly on LS.- a 36-inch concrete standpipe at the landward toe not found.<br>FIELD_STRUCT_DESC: *REPLACEMENT* 12-inch irrigation discharge pipe of an unknown material through the levee, 10 feet below the crown. 30-horsepower slant pump on the riverbank. Siphon breaker in a 24-inch corrugated metal pipe (CMP) riser on the landside (LS) slope. Pipe discharges into a 36-inch concrete standpipe at the LS toe. Pipe installed by USACE in 1963. Switch panel and service pole at the LS toe. (Replacement of a 12-inch pipe and a 30-horsepower slant pump authorized under Permit No. 10389, 1974 - Pluma Orchards).<br>[Additional Reference(s): DWR Levee Log, 1993].<br>FS Date: 5/16/2013 |                      |              |    |                        |              |

|          |             |              |    |            |                   |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | <b>5.78</b> | Rating **    | M  | Issue No.  | <b>153 (cont)</b> |
| LM End   | <b>5.78</b> | Issue Type + | En | Location * |                   |

Photo 1 of 3 : UCIP\_SP\_2018\_14604\_24107.jpg



WS- slanted pump station on steel platform on levee berm.

Photo 2 of 3 : UCIP\_SP\_2018\_14604\_24106.jpg



WS- inlet pipe on the river bank.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable                      N : Not Inspected/Rated<br>M : Minimally Acceptable        C : Corrected<br>U : Unacceptable                  A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway                  | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|---------------------------|------|------------|--------------------------|---------------|
| Unit No. 04 Feather River | Left | 13.27      | 04/03/2018<br>04/04/2018 | Sterling York |

|   |                      |              |    |                        |               |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start  | 5.78                 | Rating **    | M  | Issue No.              | 153 (cont)    |
| LM End  | 5.78                 | Issue Type + | En | Location *             |               |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |               |
|   |                      |              |    | Start                  | End           |
| Item  | DWR UCIP Field Study |              |    | 38.874113 °            | 38.874113 °   |
|   |                      |              |    | -121.614846 °          | -121.614846 ° |
| DWR ID  |                      |              |    |                        |               |
| Comment Code  |                      |              |    |                        |               |
|   |                      |              |    |                        |               |
| Inspector Comment   |                      |              |    |                        |               |
| FS_ID:14604<br>DS_ID:22573<br>EP_NO: 10389<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: - water leakage causes erosion on LS slope.- may be pressure breaker valve not closed properly on LS.- a 36-inch concrete standpipe at the landward toe not found.<br>FIELD_STRUCT_DESC: *REPLACEMENT* 12-inch irrigation discharge pipe of an unknown material through the levee, 10 feet below the crown. 30-horsepower slant pump on the riverbank. Siphon breaker in a 24-inch corrugated metal pipe (CMP) riser on the landside (LS) slope. Pipe discharges into a 36-inch concrete standpipe at the LS toe. Pipe installed by USACE in 1963. Switch panel and service pole at the LS toe. (Replacement of a 12-inch pipe and a 30-horsepower slant pump authorized under Permit No. 10389, 1974 - Pluma Orchards).<br>[Additional Reference(s): DWR Levee Log, 1993].<br>FS Date: 5/16/2013 |                      |              |    |                        |               |

Photo 3 of 3 : UCIP\_SP\_2018\_14604\_24105.jpg



Enter photo 3 description or comment here.

|  |                                  |              |    |                        |               |
|--|----------------------------------|--------------|----|------------------------|---------------|
| LM Start   | 5.80                             | Rating **    | M  | Issue No.              | 2             |
| LM End   | 5.93                             | Issue Type + | Ma | Location *             | WS            |
| Category   | Supplemental                     |              |    | GPS Latitude/Longitude |               |
|  |                                  |              |    | Start                  | End           |
| Item   | 2015 USACE Erosion Survey, DRAFT |              |    | 38.874113 °            | 38.872373 °   |
|  |                                  |              |    | -121.615380 °          | -121.616504 ° |
| DWR ID   | DWR_RD1001_04_s_2016_2           |              |    |                        |               |
| Comment Code   |                                  |              |    |                        |               |
|  |                                  |              |    |                        |               |
| Inspector Comment  |                                  |              |    |                        |               |
| 2011 - Erosion pockets from tree popouts. Sections of the lower bank have slumped off. 2013 - Scallops from tree popouts no longer visible on site. Minor new erosion at the middle of the bank. 2015: Fresh erosion from human use. [2015 Site ID: FHR_6-6_L] |                                  |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_38\_2\_20180302\_00002.jpg



USACE 2013 Photo #1

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway                  | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|---------------------------|------|------------|--------------------------|---------------|
| Unit No. 04 Feather River | Left | 13.27      | 04/03/2018<br>04/04/2018 | Sterling York |

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | 6.39                    | Rating **    | U  | Issue No.              | 17            |
| LM End  | 6.46                    | Issue Type + | En | Location *             | LS            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Vegetation              |              |    | 38.866032 °            | 38.865195 °   |
|   |                         |              |    | -121.619489 °          | -121.620017 ° |
| DWR ID  | DWR_RD1001_04_s_2012_17 |              |    |                        |               |
| Comment Code  |                         |              |    |                        |               |
| V6 : Landscaping  |                         |              |    |                        |               |
| Inspector Comment                                       |                         |              |    |                        |               |
| Home owners landscaping should be removed, Spring 2018. |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_38\_17\_20180302\_00010.jpg



View of landscaping on the landside shoulder and slope looking downstream. Fall 2016.

|   |                                  |              |    |                        |               |
|---|----------------------------------|--------------|----|------------------------|---------------|
| LM Start  | 6.42                             | Rating **    | M  | Issue No.              | 5             |
| LM End  | 6.51                             | Issue Type + | Ma | Location *             | WS            |
| Category  | Supplemental                     |              |    | GPS Latitude/Longitude |               |
|   |                                  |              |    | Start                  | End           |
| Item  | 2015 USACE Erosion Survey, DRAFT |              |    | 38.865875 °            | 38.864706 °   |
|   |                                  |              |    | -121.619983 °          | -121.620813 ° |
| DWR ID  | DWR_RD1001_04_s_2016_5           |              |    |                        |               |
| Comment Code  |                                  |              |    |                        |               |
|   |                                  |              |    |                        |               |
| Inspector Comment   |                                  |              |    |                        |               |
| 2011 - Tall slumping sections. Scour around trees has exposed most of the roots. 2015: Recent large slope failure observed. [2015 Site ID: FHR_6-0_L] |                                  |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_38\_5\_20180302\_00005.jpg



USACE 2013 Photo #1

|   |                                  |              |    |                        |               |
|---|----------------------------------|--------------|----|------------------------|---------------|
| LM Start  | 6.57                             | Rating **    | M  | Issue No.              | 4             |
| LM End  | 6.77                             | Issue Type + | Ma | Location *             | WS            |
| Category  | Supplemental                     |              |    | GPS Latitude/Longitude |               |
|   |                                  |              |    | Start                  | End           |
| Item  | 2015 USACE Erosion Survey, DRAFT |              |    | 38.863946 °            | 38.861558 °   |
|   |                                  |              |    | -121.621388 °          | -121.623316 ° |
| DWR ID  | DWR_RD1001_04_s_2016_4           |              |    |                        |               |
| Comment Code  |                                  |              |    |                        |               |
|   |                                  |              |    |                        |               |
| Inspector Comment   |                                  |              |    |                        |               |
| 2011 - Large slumped sections on the lower bank. 2012 - New cracks observed. 2015: No observed changes. [2015 Site ID: FHR_5-8_L] |                                  |              |    |                        |               |
|   |                                  |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_38\_4\_20180302\_00004.jpg



USACE 2013 Photo #1

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|--|--|---|--|---|--|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway                  | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|---------------------------|------|------------|--------------------------|---------------|
| Unit No. 04 Feather River | Left | 13.27      | 04/03/2018<br>04/04/2018 | Sterling York |

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | 7.06                    | Rating **    | M  | Issue No.              | 40            |
| LM End  | 7.06                    | Issue Type + | Ma | Location *             | WS            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Slope Stability         |              |    | 38.857797 °            | 38.857797 °   |
|   |                         |              |    | -121.625912 °          | -121.625912 ° |
| DWR ID  | DWR_RD1001_04_s_2018_40 |              |    |                        |               |
| Comment Code  |                         |              |    |                        |               |
| S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible. |                         |              |    |                        |               |
| Inspector Comment   |                         |              |    |                        |               |
| Repair tire ruts on levee slope, Spring 2018.   |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_38\_40\_20180411\_00097.jpg



View looking downstream waterside at deep tire ruts in levee slope, Spring 2018.

|  |                         |              |     |                        |               |
|--|-------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 7.08                    | Rating **    | A/W | Issue No.              | 52            |
| LM End   | 7.08                    | Issue Type + | Ma  | Location *             | WS            |
| Category   | Earthen Levee           |              |     | GPS Latitude/Longitude |               |
|  |                         |              |     | Start                  | End           |
| Item   | Vegetation              |              |     | 38.857574 °            | 38.857574 °   |
|  |                         |              |     | -121.626083 °          | -121.626083 ° |
| DWR ID   | DWR_RD1001_04_s_2017_52 |              |     |                        |               |
| Comment Code   |                         |              |     |                        |               |
| V4 : Elderberries are blocking visibility and flood fight capability.      |                         |              |     |                        |               |
| Inspector Comment  |                         |              |     |                        |               |
| Elderberries bush has been trimmed for access and visibility, Spring 2018. |                         |              |     |                        |               |

No Photos

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | 7.32                    | Rating **    | M  | Issue No.              | 45            |
| LM End  | 7.32                    | Issue Type + | Ma | Location *             | LS            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Trim / Thin Trees       |              |    | 38.854324 °            | 38.854324 °   |
|   |                         |              |    | -121.627970 °          | -121.627970 ° |
| DWR ID  | DWR_RD1001_04_s_2018_45 |              |    |                        |               |
| Comment Code  |                         |              |    |                        |               |
| T1 : Trim trees to at least five feet above ground level. |                         |              |    |                        |               |
| Inspector Comment   |                         |              |    |                        |               |
| Trim limbs for access and visibility, Spring 2018.        |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_38\_45\_20180411\_00098.jpg



View looking downstream landside of trees that need limbs trimmed for access and visibility, Spring 2018.

|                   |                      |                          |   |                                   |  |
|-------------------|----------------------|--------------------------|---|-----------------------------------|--|
| <b>* Location</b> |                      | <b>** Rating</b>         |   | <b>+ Issue Type</b>               |  |
| LS : Land Side    | N/A : Not Applicable | A : Acceptable           | N : Not Inspected/Rated                 | Ma : Maintenance Deficiency       |  |
| WS : Water Side   |                      | M : Minimally Acceptable | C : Corrected                           | Ob : Design & System Obsolescence |  |
| CR : Crown        |                      | U : Unacceptable         | A/W : Acceptable but Monitor & Maintain | En : Enforcement                  |  |

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway                  | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|---------------------------|------|------------|--------------------------|---------------|
| Unit No. 04 Feather River | Left | 13.27      | 04/03/2018<br>04/04/2018 | Sterling York |

|  |                                  |              |    |                        |               |  |
|--|----------------------------------|--------------|----|------------------------|---------------|--|
| LM Start   | 7.47                             | Rating **    | M  | Issue No.              | 8             |  |
| LM End   | 7.79                             | Issue Type + | Ma | Location *             | WS            |  |
| Category   | Supplemental                     |              |    | GPS Latitude/Longitude |               |  |
|  |                                  |              |    | Start                  | End           |  |
| Item   | 2015 USACE Erosion Survey, DRAFT |              |    | 38.852394 °            | 38.848004 °   |  |
|  |                                  |              |    | -121.629231 °          | -121.630873 ° |  |
| DWR ID   | DWR_RD1001_04_s_2016_8           |              |    |                        |               |  |
| Comment Code   |                                  |              |    |                        |               |  |
|  |                                  |              |    |                        |               |  |
| Inspector Comment  |                                  |              |    |                        |               |  |
| 2000 - Steep bank off berm with some slumps and fallen trees, continued erosion. 2002 - Site lengthened upstream and downstream due to vertical bank along most of the reach. 2010 - Site extended upstream. 2011 - Minimal new erosion. 2012 - Site extended on the upstream end, new tree pop-out, and bank erosion continues to worsen. 2013 - Minor new erosion at the toe and top of bank. 2015: No observed changes. [2015 Site ID: FHR_5-0_L] |                                  |              |    |                        |               |  |

Photo 1 of 1 : SP\_2018\_RD1001\_38\_8\_20180302\_00008.jpg



USACE 2013 Photo #1

|  |                         |              |     |                        |               |
|--|-------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 7.60                    | Rating **    | A/W | Issue No.              | 36            |
| LM End   | 7.60                    | Issue Type + | Ma  | Location *             | WS            |
| Category   | Earthen Levee           |              |     | GPS Latitude/Longitude |               |
|  |                         |              |     | Start                  | End           |
| Item   | Erosion / Bank Caving   |              |     | 38.850521 °            | 38.850521 °   |
|  |                         |              |     | -121.629423 °          | -121.629423 ° |
| DWR ID   | DWR_RD1001_04_f_2015_36 |              |     |                        |               |
| Comment Code   |                         |              |     |                        |               |
| E2 : Schedule repair of erosion site prior to the next inspection. |                         |              |     |                        |               |
| Inspector Comment  |                         |              |     |                        |               |
| Ramp has vertical cut into the levee prism.                        |                         |              |     |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_38\_36\_20180302\_00026.jpg



View of vertical cut for ramp in the landside levee slope looking upstream. Fall 2016.

|  |  |  |  |   |  |   |  |
|--|--|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable |  | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|--|--|--|--|---|--|---|--|



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

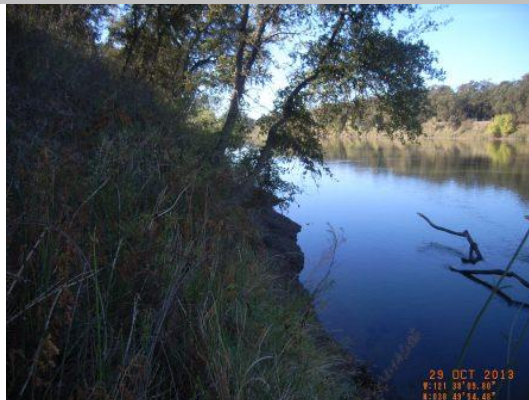
| Waterway                  | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|---------------------------|------|------------|--------------------------|---------------|
| Unit No. 04 Feather River | Left | 13.27      | 04/03/2018<br>04/04/2018 | Sterling York |

|  |                         |              |                        |            |           |
|--|-------------------------|--------------|------------------------|------------|-----------|
| LM Start   | <b>8.48</b>             | Rating **    | A/W                    | Issue No.  | <b>38</b> |
| LM End   |                         | Issue Type + | Ob                     | Location * |           |
| Category   | Supplemental            |              | GPS Latitude/Longitude |            |           |
|  |                         |              | Start                  | End        |           |
| Item   | 2017 Storm Damage       |              | 38.838000 °            |            |           |
|  |                         |              | -121.633051 °          |            |           |
| DWR ID   | DWR_RD1001_04_f_2017_38 |              |                        |            |           |
| Comment Code   |                         |              |                        |            |           |
| Inspector Comment  |                         |              |                        |            |           |
| Levee Evaluation Comments<br>Description:<br>Site ID No:140<br>Site Designation:LMA-20<br>Repair Type: Seepage<br>Rating:Serious<br>Field Date:8/31/2017<br>Notes: Was recommended to receive additional rock during flood fight by Wilbur Huang but resources weren't available at the time. 4 seepage berms were installed during the storms, but more are needed between them |                         |              |                        |            |           |

No Photos

|   |                                  |              |                        |               |          |
|---|----------------------------------|--------------|------------------------|---------------|----------|
| LM Start  | <b>8.57</b>                      | Rating **    | M                      | Issue No.     | <b>7</b> |
| LM End  | <b>8.97</b>                      | Issue Type + | Ma                     | Location *    | WS       |
| Category  | Supplemental                     |              | GPS Latitude/Longitude |               |          |
|   |                                  |              | Start                  | End           |          |
| Item  | 2015 USACE Erosion Survey, DRAFT |              | 38.836966 °            | 38.831498 °   |          |
|   |                                  |              | -121.634128 °          | -121.636371 ° |          |
| DWR ID  | DWR_RD1001_04_s_2016_7           |              |                        |               |          |
| Comment Code  |                                  |              |                        |               |          |
| Inspector Comment   |                                  |              |                        |               |          |
| 2006 - Sandy, silty bank with intermittent pockets of erosion. Rotational failure and tree pop outs are most of the problem. Some upper slope fluvial erosion. 2010 - Site extended upstream. The lower Feather may benefit from a regional repair. 2011 - Site combined with 3.6. Minimal new erosion. 2013 - New erosion observed at bank toe. Trees on site now have exposed roots. 2015: No observed changes. [2015 Site ID: FHR_3-8_L] |                                  |              |                        |               |          |

Photo 1 of 1 : SP\_2018\_RD1001\_38\_7\_20180302\_00007.jpg



USACE 2013 Photo #1

| * Location                                      | ** Rating   | + Issue Type   |
|---|---|--|
| LS : Land Side<br>WS : Water Side<br>CR : Crown | A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable                      | Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
| N/A : Not Applicable                            | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  |

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway                  | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|---------------------------|------|------------|--------------------------|---------------|
| Unit No. 04 Feather River | Left | 13.27      | 04/03/2018<br>04/04/2018 | Sterling York |

|  |                         |              |     |                        |               |
|--|-------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 8.65                    | Rating **    | A/W | Issue No.              | 12            |
| LM End   | 8.72                    | Issue Type + | Ma  | Location *             | LS            |
| Category   | Earthen Levee           |              |     | GPS Latitude/Longitude |               |
|  |                         |              |     | Start                  | End           |
| Item   | Vegetation              |              |     | 38.835766 °            | 38.834778 °   |
|  |                         |              |     | -121.633966 °          | -121.634316 ° |
| DWR ID   | DWR_RD1001_04_s_2012_12 |              |     |                        |               |
| Comment Code   |                         |              |     |                        |               |
| V4 : Elderberries are blocking visibility and flood fight capability.      |                         |              |     |                        |               |
| Inspector Comment  |                         |              |     |                        |               |
| Elderberries bush has been trimmed for access and visibility, Spring 2018. |                         |              |     |                        |               |

No Photos

|  |                      |              |    |                        |               |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start   | 9.15                 | Rating **    | M  | Issue No.              | 154           |
| LM End   | 9.15                 | Issue Type + | En | Location *             |               |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |               |
|  |                      |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study |              |    | 38.828893 °            | 38.828893 °   |
|  |                      |              |    | -121.637219 °          | -121.637219 ° |
| DWR ID   |                      |              |    |                        |               |
| Comment Code   |                      |              |    |                        |               |
|  |                      |              |    |                        |               |
| Inspector Comment  |                      |              |    |                        |               |
| FS_ID:14563<br>DS_ID:22577<br>EP_NO: 12828<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: - needs detailed investigation for road surface cracks<br>FIELD_STRUCT_DESC: 16-inch asphalt coated steel irrigation discharge pipe through the levee, 4.3 feet below the crown. 30-horsepower slant pump and platform on the riverbank. (16-inch irrigation discharge pipe and 30-horsepower slant pump authorized under Permit No. 12828, 1979. It is assumed that this 16-inch pipe replaces the abandoned 10-inch steel pipe referenced in the O&M Manual). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 141.1, August 1955, (RM 3.3), abandoned 10-inch steel pipe referenced].<br>FS Date: 5/16/2013 |                      |              |    |                        |               |

Photo 1 of 3 : UCIP\_SP\_2018\_14563\_24002.jpg



WS- slanted pipe in steel structure on river bank.

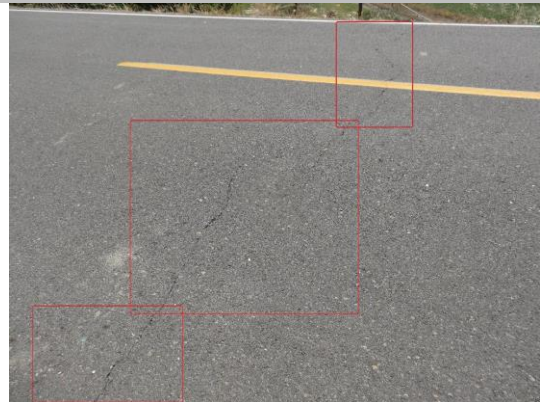
|   |  |  |  |  |  |
|---|--|--|--|--|--|
| * Location<br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | ** Rating<br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | + Issue Type<br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|---|--|--|--|--|--|

# Reclamation District No. 1001 Nicolaus

|          |      |              |    |            |            |
|----------|------|--------------|----|------------|------------|
| LM Start | 9.15 | Rating **    | M  | Issue No.  | 154 (cont) |
| LM End   | 9.15 | Issue Type + | En | Location * |            |



WS- inlet pipe and main pipe in pump station on river bank.



Levee Crown- road surface cracks along the pipe. Needs more investigation.

| * Location  | ** Rating   | + Issue Type   |
|---|---|--|
| LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | A : Acceptable                      N : Not Inspected/Rated<br>M : Minimally Acceptable        C : Corrected<br>U : Unacceptable                  A/W : Acceptable but Monitor & Maintain | Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway                  | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|---------------------------|------|------------|--------------------------|---------------|
| Unit No. 04 Feather River | Left | 13.27      | 04/03/2018<br>04/04/2018 | Sterling York |

|                           |                         |              |                        |            |           |
|---------------------------|-------------------------|--------------|------------------------|------------|-----------|
| LM Start                  | <b>9.41</b>             | Rating **    | A/W                    | Issue No.  | <b>43</b> |
| LM End                    |                         | Issue Type + | Ob                     | Location * |           |
| Category                  | Supplemental            |              | GPS Latitude/Longitude |            |           |
|                           |                         |              | Start                  | End        |           |
| Item                      | 2017 Storm Damage       |              | 38.825391 °            |            |           |
|                           |                         |              | -121.639144 °          |            |           |
| DWR ID                    | DWR_RD1001_04_f_2017_43 |              |                        |            |           |
| Comment Code              |                         |              |                        |            |           |
| Inspector Comment         |                         |              |                        |            |           |
| Levee Evaluation Comments |                         |              |                        |            |           |
| Description:              |                         |              |                        |            |           |
| Site ID No:163            |                         |              |                        |            |           |
| Site Designation:247-2    |                         |              |                        |            |           |
| Repair Type: Seepage      |                         |              |                        |            |           |
| Rating:                   |                         |              |                        |            |           |
| Field Date:               |                         |              |                        |            |           |
| Notes:                    |                         |              |                        |            |           |

No Photos

|  |                      |              |                        |               |            |
|--|----------------------|--------------|------------------------|---------------|------------|
| LM Start   | <b>9.44</b>          | Rating **    | M                      | Issue No.     | <b>155</b> |
| LM End   | <b>9.44</b>          | Issue Type + | En                     | Location *    |            |
| Category   | Supplemental         |              | GPS Latitude/Longitude |               |            |
|  |                      |              | Start                  | End           |            |
| Item   | DWR UCIP Field Study |              | 38.825107 °            | 38.825107 °   |            |
|  |                      |              | -121.639369 °          | -121.639369 ° |            |
| DWR ID   |                      |              |                        |               |            |
| Comment Code   |                      |              |                        |               |            |
| Inspector Comment  |                      |              |                        |               |            |
| FS_ID:14544  |                      |              |                        |               |            |
| DS_ID:22592  |                      |              |                        |               |            |
| EP_NO: N/A   |                      |              |                        |               |            |
| Repair Type: Non-Urgent  |                      |              |                        |               |            |
| Crossing Status: Found   |                      |              |                        |               |            |
| UCIP Comments: - seems abandoned pipe crossing.- needs properly abandoned.- a 48" steel tank not found on landside.  |                      |              |                        |               |            |
| FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, 5 feet below the crown. Pump on the riverbank. Pipe discharges into a 48-inch steel tank at the landside (LS) toe. |                      |              |                        |               |            |
| (Johnston). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 141.1, August 1955, (RM 3.1)].  |                      |              |                        |               |            |
| FS Date: 5/16/2013   |                      |              |                        |               |            |

Photo 1 of 3 : UCIP\_SP\_2018\_14544\_23966.jpg



WS- damaged pipe with holes, cracks on levee slope. River bank is not visible due to dense vegetation (top)

| * Location                                      | ** Rating   | + Issue Type   |
|---|---|--|
| LS : Land Side<br>WS : Water Side<br>CR : Crown | A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable                      | Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
| N/A : Not Applicable                            | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  |

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway                  | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|---------------------------|------|------------|--------------------------|---------------|
| Unit No. 04 Feather River | Left | 13.27      | 04/03/2018<br>04/04/2018 | Sterling York |

|  |                      |              |    |                        |            |               |
|--|----------------------|--------------|----|------------------------|------------|---------------|
| LM Start   | 9.44                 | Rating **    | M  | Issue No.              | 155 (cont) |               |
| LM End   | 9.44                 | Issue Type + | En | Location *             |            |               |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |            |               |
|  |                      |              |    | Start                  |            | End           |
| Item   | DWR UCIP Field Study |              |    | 38.825107 °            |            | 38.825107 °   |
|  |                      |              |    | -121.639369 °          |            | -121.639369 ° |
| DWR ID   |                      |              |    |                        |            |               |
| Comment Code   |                      |              |    |                        |            |               |
|  |                      |              |    |                        |            |               |
| Inspector Comment  |                      |              |    |                        |            |               |
| FS_ID:14544  |                      |              |    |                        |            |               |
| DS_ID:22592  |                      |              |    |                        |            |               |
| EP_NO: N/A   |                      |              |    |                        |            |               |
| Repair Type: Non-Urgent  |                      |              |    |                        |            |               |
| Crossing Status: Found   |                      |              |    |                        |            |               |
| UCIP Comments: - seems abandoned pipe crossing.- needs properly abandoned.- a 48" steel tank not found on landside.  |                      |              |    |                        |            |               |
| FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, 5 feet below the crown. Pump on the riverbank. Pipe discharges into a 48-inch steel tank at the landside (LS) toe. |                      |              |    |                        |            |               |
| (Johnston). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 141.1, August 1955, (RM 3.1)].  |                      |              |    |                        |            |               |
| FS Date: 5/16/2013   |                      |              |    |                        |            |               |

Photo 2 of 3 : UCIP\_SP\_2018\_14544\_23965.jpg



WS- abandoned damaged pipe with holes, cracks on levee slope.

|          |             |              |    |            |                   |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | <b>9.44</b> | Rating **    | M  | Issue No.  | <b>155 (cont)</b> |
| LM End   | <b>9.44</b> | Issue Type + | En | Location * |                   |

Photo 3 of 3 : UCIP\_SP\_2018\_14544\_23964.jpg



LS- overview of landside, steel pipe on levee slope.

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway                  | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|---------------------------|------|------------|--------------------------|---------------|
| Unit No. 04 Feather River | Left | 13.27      | 04/03/2018<br>04/04/2018 | Sterling York |

|                   |                         |              |    |                        |               |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start          | 9.52                    | Rating **    | M  | Issue No.              | 80            |
| LM End            | 9.52                    | Issue Type + | En | Location *             | WS            |
| Category          | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                   |                         |              |    | Start                  | End           |
| Item              | Encroachments           |              |    | 38.823911 °            | 38.823911 °   |
|                   |                         |              |    | -121.639869 °          | -121.639869 ° |
| DWR ID            | DWR_RD1001_04_s_2016_80 |              |    |                        |               |
| Comment Code      |                         |              |    |                        |               |
| PO : Pole         |                         |              |    |                        |               |
| Inspector Comment |                         |              |    |                        |               |
|                   |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_38\_80\_20180302\_00061.jpg



View of pole on waterside crown. Fall 2016.

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | 9.58                    | Rating **    | M  | Issue No.              | 82            |
| LM End  | 9.58                    | Issue Type + | En | Location *             | LS            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Encroachments           |              |    | 38.823053 °            | 38.823053 °   |
|   |                         |              |    | -121.639911 °          | -121.639911 ° |
| DWR ID  | DWR_RD1001_04_s_2016_82 |              |    |                        |               |
| Comment Code  |                         |              |    |                        |               |
| DE : Debris   |                         |              |    |                        |               |
| Inspector Comment                                       |                         |              |    |                        |               |
| Old fence post pile at landside levee toe, Spring 2018. |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_38\_82\_20180302\_00062.jpg



View of a pile of fence post at the landside levee toe. Fall 2016.

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | 9.61                    | Rating **    | M  | Issue No.              | 37            |
| LM End  | 9.61                    | Issue Type + | En | Location *             | WS            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Vegetation              |              |    | 38.822725 °            | 38.822725 °   |
|   |                         |              |    | -121.640018 °          | -121.640018 ° |
| DWR ID  | DWR_RD1001_04_f_2015_37 |              |    |                        |               |
| Comment Code  |                         |              |    |                        |               |
| V6 : Landscaping  |                         |              |    |                        |               |
| Inspector Comment   |                         |              |    |                        |               |
| Oleanders in front of a house on the waterside need to be removed, Fall 2017. |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_38\_37\_20180302\_00027.jpg



View looking downstream waterside of landscaping vegetation encroaching onto the levee crown, Fall 2017.

|  |  |  |  |   |  |   |  |
|--|--|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable |  | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|--|--|--|--|---|--|---|--|



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway                  | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|---------------------------|------|------------|--------------------------|---------------|
| Unit No. 04 Feather River | Left | 13.27      | 04/03/2018<br>04/04/2018 | Sterling York |

|  |                      |              |    |                        |               |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start   | 9.92                 | Rating **    | M  | Issue No.              | 156           |
| LM End   | 9.92                 | Issue Type + | En | Location *             |               |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |               |
|  |                      |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study |              |    | 38.818341 °            | 38.818341 °   |
|  |                      |              |    | -121.638890 °          | -121.638890 ° |
| DWR ID   |                      |              |    |                        |               |
| Comment Code   |                      |              |    |                        |               |
|  |                      |              |    |                        |               |
| Inspector Comment  |                      |              |    |                        |               |
| FS_ID:14627<br>DS_ID:22578<br>EP_NO: 3297<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: - needs properly abandoned.- dismantled standpipe found on LS levee slope<br>FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, 3 feet below the crown. Slant pump mounted on a steel structure on the riverbank. Siphon breaker on the landside (LS) shoulder. Pipe discharges into a 24-inch concrete standpipe at the LS toe. (Pipe and pump authorized under Permit No. 3297, 1960 - Albert Linggi). [Additional Reference(s): DWR Levee Log, 1993].<br>FS Date: 5/16/2013 |                      |              |    |                        |               |

Photo 1 of 3 : UCIP\_SP\_2018\_14627\_24134.jpg



WS- exposed pipe on levee slope and pump station in river bank.

|          |             |              |    |            |                   |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | <b>9.92</b> | Rating **    | M  | Issue No.  | <b>156 (cont)</b> |
| LM End   | <b>9.92</b> | Issue Type + | En | Location * |                   |

Photo 2 of 3 : UCIP\_SP\_2018\_14627\_24133.jpg



WS- exposed pipe on levee slope.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable                      N : Not Inspected/Rated<br>M : Minimally Acceptable        C : Corrected<br>U : Unacceptable                  A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

## Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 1001 Nicolaus

| Waterway                  | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|---------------------------|------|------------|--------------------------|---------------|
| Unit No. 04 Feather River | Left | 13.27      | 04/03/2018<br>04/04/2018 | Sterling York |

|  |                      |              |    |                        |            |               |
|--|----------------------|--------------|----|------------------------|------------|---------------|
| LM Start   | 9.92                 | Rating **    | M  | Issue No.              | 156 (cont) |               |
| LM End   | 9.92                 | Issue Type + | En | Location *             |            |               |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |            |               |
|  |                      |              |    | Start                  |            | End           |
| Item   | DWR UCIP Field Study |              |    | 38.818341 °            |            | 38.818341 °   |
|  |                      |              |    | -121.638890 °          |            | -121.638890 ° |
| DWR ID   |                      |              |    |                        |            |               |
| Comment Code   |                      |              |    |                        |            |               |
|  |                      |              |    |                        |            |               |
| Inspector Comment  |                      |              |    |                        |            |               |
| FS_ID:14627  |                      |              |    |                        |            |               |
| DS_ID:22578  |                      |              |    |                        |            |               |
| EP_NO: 3297  |                      |              |    |                        |            |               |
| Repair Type: Non-Urgent  |                      |              |    |                        |            |               |
| Crossing Status: Found   |                      |              |    |                        |            |               |
| UCIP Comments: - needs properly abandoned.- dismantled standpipe found on LS levee slope   |                      |              |    |                        |            |               |
| FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, 3 feet below the crown. Slant pump mounted on a steel structure on the riverbank. Siphon breaker on the landside (LS) shoulder. Pipe discharges into a 24-inch concrete standpipe at the LS toe. (Pipe and pump authorized under Permit No. 3297, 1960 - Albert Linggi). [Additional Reference(s): DWR Levee Log, 1993]. |                      |              |    |                        |            |               |
| FS Date: 5/16/2013   |                      |              |    |                        |            |               |

Photo 3 of 3 : UCIP\_SP\_2018\_14627\_24132.jpg



WS- abandoned slanted pump station in steel pipe structure in river bank.

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 9.97                    | Rating **    | M  | Issue No.              | 66            |
| LM End   | 9.97                    | Issue Type + | En | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Encroachments           |              |    | 38.817659 °            | 38.817659 °   |
|  |                         |              |    | -121.638404 °          | -121.638404 ° |
| DWR ID   | DWR_RD1001_04_f_2016_66 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| TR : Tree or limb  |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
| Downed tree pushed up to levee toe needs to be removed, Fall 2017. |                         |              |    |                        |               |

Photo 1 of 2 : SP\_2018\_RD1001\_38\_66\_20180302\_00053.jpg



View of large tree pushed up to the landside levee toe. Fall 2017.

|  |  |  |  |   |   |
|--|--|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable |  | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|--|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway                  | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|---------------------------|------|------------|--------------------------|---------------|
| Unit No. 04 Feather River | Left | 13.27      | 04/03/2018<br>04/04/2018 | Sterling York |

|  |                         |              |    |                        |               |  |
|--|-------------------------|--------------|----|------------------------|---------------|--|
| LM Start   | 9.97                    | Rating **    | M  | Issue No.              | 66 (cont)     |  |
| LM End   | 9.97                    | Issue Type + | En | Location *             | LS            |  |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |  |
|  |                         |              |    | Start                  | End           |  |
| Item   | Encroachments           |              |    | 38.817659 °            | 38.817659 °   |  |
|  |                         |              |    | -121.638404 °          | -121.638404 ° |  |
| DWR ID   | DWR_RD1001_04_f_2016_66 |              |    |                        |               |  |
| Comment Code   |                         |              |    |                        |               |  |
| TR : Tree or limb  |                         |              |    |                        |               |  |
| Inspector Comment  |                         |              |    |                        |               |  |
| Downed tree pushed up to levee toe needs to be removed, Fall 2017. |                         |              |    |                        |               |  |

Photo 2 of 2 : SP\_2018\_RD1001\_38\_66\_20180302\_00054.jpg



View of large tree pushed up to the landside levee toe. Fall 2016.

|  |                      |              |    |                        |     |               |
|--|----------------------|--------------|----|------------------------|-----|---------------|
| LM Start   | 10.14                | Rating **    | M  | Issue No.              | 157 |               |
| LM End   | 10.14                | Issue Type + | En | Location *             |     |               |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |     |               |
|  |                      |              |    | Start                  |     | End           |
| Item   | DWR UCIP Field Study |              |    | 38.815530 °            |     | 38.815530 °   |
|  |                      |              |    | -121.636918 °          |     | -121.636918 ° |
| DWR ID   |                      |              |    |                        |     |               |
| Comment Code   |                      |              |    |                        |     |               |
|  |                      |              |    |                        |     |               |
| Inspector Comment  |                      |              |    |                        |     |               |
| FS_ID:41723<br>DS_ID:22572<br>EP_NO: 1881<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: - buried slide gate found on WS slope.- concrete box at the landward toe not found.<br>FIELD_STRUCT_DESC: 18-inch steel irrigation discharge pipe through the levee, 5 feet below the crown. Slant pump mounted on a pile structure on the riverbank. Gate valve on the waterside (WS) slope. Siphon breaker on the landside (LS) shoulder. Pipe discharges into a concrete box at the LS toe. (18-inch steel discharge pipe and slant pump authorized under Permit No. 1881, 1954 - L. G. Kipp and R. B. Reith). [Additional Reference(s): DWR Levee Log, 1993].<br>FS Date: 5/16/2013 |                      |              |    |                        |     |               |

Photo 1 of 3 : UCIP\_SP\_2018\_41723\_23977.jpg



WS- slant pump on steel structure in river bank.

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable  |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|  |  | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  |   |  |



**Flood Control Project Maintenance  
Levee Inspections**

## Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 1001 Nicolaus

| Waterway                  | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|---------------------------|------|------------|--------------------------|---------------|
| Unit No. 04 Feather River | Left | 13.27      | 04/03/2018<br>04/04/2018 | Sterling York |

|  |                      |              |    |                        |            |               |
|--|----------------------|--------------|----|------------------------|------------|---------------|
| LM Start   | 10.14                | Rating **    | M  | Issue No.              | 157 (cont) |               |
| LM End   | 10.14                | Issue Type + | En | Location *             |            |               |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |            |               |
|  |                      |              |    | Start                  |            | End           |
| Item   | DWR UCIP Field Study |              |    | 38.815530 °            |            | 38.815530 °   |
|  |                      |              |    | -121.636918 °          |            | -121.636918 ° |
| DWR ID   |                      |              |    |                        |            |               |
| Comment Code   |                      |              |    |                        |            |               |
|  |                      |              |    |                        |            |               |
| Inspector Comment  |                      |              |    |                        |            |               |
| FS_ID:41723<br>DS_ID:22572<br>EP_NO: 1881<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: - buried slide gate found on WS slope.- concrete box at the landward toe not found.<br>FIELD_STRUCT_DESC: 18-inch steel irrigation discharge pipe through the levee, 5 feet below the crown. Slant pump mounted on a pile structure on the riverbank. Gate valve on the waterside (WS) slope. Siphon breaker on the landside (LS) shoulder. Pipe discharges into a concrete box at the LS toe. (18-inch steel discharge pipe and slant pump authorized under Permit No. 1881, 1954 - L. G. Kipp and R. B. Reith). [Additional Reference(s): DWR Levee Log, 1993].<br>FS Date: 5/16/2013 |                      |              |    |                        |            |               |

|          |              |              |    |            |                   |
|----------|--------------|--------------|----|------------|-------------------|
| LM Start | <b>10.14</b> | Rating **    | M  | Issue No.  | <b>157 (cont)</b> |
| LM End   | <b>10.14</b> | Issue Type + | En | Location * |                   |

Photo 2 of 3 : UCIP\_SP\_2018\_41723\_23976.jpg



WS- main steel pipe on levee surface (without paint).

Photo 3 of 3 : UCIP\_SP\_2018\_41723\_23978.jpg



WS- gate valve on levee slope.

|  |  |  |  |   |   |
|--|--|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable |  | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|--|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway                  | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|---------------------------|------|------------|--------------------------|---------------|
| Unit No. 04 Feather River | Left | 13.27      | 04/03/2018<br>04/04/2018 | Sterling York |

|                     |                           |              |    |                        |               |
|---------------------|---------------------------|--------------|----|------------------------|---------------|
| LM Start            | 10.60                     | Rating **    | M  | Issue No.              | 30            |
| LM End              | 10.60                     | Issue Type + | En | Location *             | LS            |
| Category            | Earthen Levee             |              |    | GPS Latitude/Longitude |               |
|                     |                           |              |    | Start                  | End           |
| Item                | Encroachments             |              |    | 38.809257 °            | 38.809257 °   |
|                     |                           |              |    | -121.633909 °          | -121.633909 ° |
| DWR ID              | DWR_RD1001_04_s _ 2013_30 |              |    |                        |               |
| Comment Code        |                           |              |    |                        |               |
| RW : Retaining Wall |                           |              |    |                        |               |
| Inspector Comment   |                           |              |    |                        |               |
|                     |                           |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_38\_30\_20180302\_00018.jpg



A retaining wall is within the profile of the slope. Spring 2013

|                   |                           |              |    |                        |               |
|-------------------|---------------------------|--------------|----|------------------------|---------------|
| LM Start          | 10.60                     | Rating **    | M  | Issue No.              | 29            |
| LM End            | 10.60                     | Issue Type + | En | Location *             | LS            |
| Category          | Earthen Levee             |              |    | GPS Latitude/Longitude |               |
|                   |                           |              |    | Start                  | End           |
| Item              | Encroachments             |              |    | 38.809256 °            | 38.809256 °   |
|                   |                           |              |    | -121.633908 °          | -121.633908 ° |
| DWR ID            | DWR_RD1001_04_s _ 2013_29 |              |    |                        |               |
| Comment Code      |                           |              |    |                        |               |
| BU : Building     |                           |              |    |                        |               |
| Inspector Comment |                           |              |    |                        |               |
|                   |                           |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_38\_29\_20180302\_00017.jpg



The building is within the easement of the levee. Spring 2013

|  |                           |              |     |                        |               |
|--|---------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 11.05                     | Rating **    | A/W | Issue No.              | 22            |
| LM End   | 11.11                     | Issue Type + | Ma  | Location *             | LS            |
| Category   | Earthen Levee             |              |     | GPS Latitude/Longitude |               |
|  |                           |              |     | Start                  | End           |
| Item   | Vegetation                |              |     | 38.802875 °            | 38.802000 °   |
|  |                           |              |     | -121.632862 °          | -121.632763 ° |
| DWR ID   | DWR_RD1001_04_s _ 2012_22 |              |     |                        |               |
| Comment Code   |                           |              |     |                        |               |
| V4 : Elderberries are blocking visibility and flood fight capability.      |                           |              |     |                        |               |
| Inspector Comment  |                           |              |     |                        |               |
| Elderberries bush has been trimmed for access and visibility, Spring 2018. |                           |              |     |                        |               |

No Photos

|                 |                      |                          |   |                                   |  |
|-----------------|----------------------|--------------------------|---|-----------------------------------|--|
| * Location      |                      | ** Rating                |   | + Issue Type                      |  |
| LS : Land Side  | N/A : Not Applicable | A : Acceptable           | N : Not Inspected/Rated                 | Ma : Maintenance Deficiency       |  |
| WS : Water Side |                      | M : Minimally Acceptable | C : Corrected                           | Ob : Design & System Obsolescence |  |
| CR : Crown      |                      | U : Unacceptable         | A/W : Acceptable but Monitor & Maintain | En : Enforcement                  |  |

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway                  | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|---------------------------|------|------------|--------------------------|---------------|
| Unit No. 04 Feather River | Left | 13.27      | 04/03/2018<br>04/04/2018 | Sterling York |

|  |                         |              |     |                        |               |
|--|-------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 11.12                   | Rating **    | A/W | Issue No.              | 49            |
| LM End   | 13.19                   | Issue Type + | Ob  | Location *             |               |
| Category   | Supplemental            |              |     | GPS Latitude/Longitude |               |
|  |                         |              |     | Start                  | End           |
| Item   | 2017 Storm Damage       |              |     | 38.801862 °            | 38.781706 °   |
|  |                         |              |     | -121.632702 °          | -121.606869 ° |
| DWR ID   | DWR_RD1001_04_f_2017_49 |              |     |                        |               |
| Comment Code   |                         |              |     |                        |               |
|  |                         |              |     |                        |               |
| Inspector Comment  |                         |              |     |                        |               |
| Levee Evaluation Comments  |                         |              |     |                        |               |
| Description: Portions were temporarily repaired by DWR during 2017 flood fight. Permanent repairs are required through entire reach. |                         |              |     |                        |               |
| Estimated cost \$14.6 million  |                         |              |     |                        |               |
| Site ID No: 491  |                         |              |     |                        |               |
| Site Designation: LMA-329  |                         |              |     |                        |               |
| Repair Type: Seepage   |                         |              |     |                        |               |
| Rating:  |                         |              |     |                        |               |
| Field Date:  |                         |              |     |                        |               |
| Notes:   |                         |              |     |                        |               |

No Photos

|  |                                  |              |    |                        |               |
|--|----------------------------------|--------------|----|------------------------|---------------|
| LM Start   | 11.18                            | Rating **    | M  | Issue No.              | 6             |
| LM End   | 11.37                            | Issue Type + | Ma | Location *             | WS            |
| Category   | Supplemental                     |              |    | GPS Latitude/Longitude |               |
|  |                                  |              |    | Start                  | End           |
| Item   | 2015 USACE Erosion Survey, DRAFT |              |    | 38.800920 °            | 38.798165 °   |
|  |                                  |              |    | -121.633050 °          | -121.631939 ° |
| DWR ID   | DWR_RD1001_04_s_2016_6           |              |    |                        |               |
| Comment Code   |                                  |              |    |                        |               |
|  |                                  |              |    |                        |               |
|  |                                  |              |    |                        |               |
| Inspector Comment  |                                  |              |    |                        |               |
| 2000 - Site is relatively stable except for some toe erosion at the upstream end, recommend monitoring the upstream end. 2004 - Some new block failures (10ft deep) at the toe of the upstream end. 2007 - Some minor new slumping at the waterline. 2013 - Minor new erosion along the bank toe. 2015: No observed changes. [2015 Site ID: FHR_1-0_L] |                                  |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_38\_6\_20180302\_00006.jpg



USACE 2013 Photo #1

|  |   |   |
|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|---|---|



**Flood Control Project Maintenance  
Levee Inspections**

## Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 1001 Nicolaus

| Waterway                  | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|---------------------------|------|------------|--------------------------|---------------|
| Unit No. 04 Feather River | Left | 13.27      | 04/03/2018<br>04/04/2018 | Sterling York |

|  |                         |              |     |                        |               |
|--|-------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 11.24                   | Rating **    | A/W | Issue No.              | 23            |
| LM End   | 11.24                   | Issue Type + | Ma  | Location *             | LS            |
| Category   | Earthen Levee           |              |     | GPS Latitude/Longitude |               |
|  |                         |              |     | Start                  | End           |
| Item   | Vegetation              |              |     | 38.800174 °            | 38.800174 °   |
|  |                         |              |     | -121.632227 °          | -121.632227 ° |
| DWR ID   | DWR_RD1001_04_s_2012_23 |              |     |                        |               |
| Comment Code   |                         |              |     |                        |               |
| V4 : Elderberries are blocking visibility and flood fight capability.      |                         |              |     |                        |               |
| Inspector Comment  |                         |              |     |                        |               |
| Elderberries bush has been trimmed for access and visibility, Spring 2018. |                         |              |     |                        |               |

No Photos

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start                                 | 11.28                   | Rating **    | M  | Issue No.              | 41            |
| LM End                                   | 11.28                   | Issue Type + | En | Location *             | LS            |
| Category                                 | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item                                     | Encroachments           |              |    | 38.799635 °            | 38.799635 °   |
|  |                         |              |    | -121.631986 °          | -121.631986 ° |
| DWR ID                                   | DWR_RD1001_04_f_2015_41 |              |    |                        |               |
| Comment Code                             |                         |              |    |                        |               |
| MA : Material                            |                         |              |    |                        |               |
| Inspector Comment                        |                         |              |    |                        |               |
| Remove pipe from levee toe, Spring 2018. |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_38\_41\_20180411\_00099.jpg



View of the material at the landside levee toe, Spring 2018.

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway                  | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|---------------------------|------|------------|--------------------------|---------------|
| Unit No. 04 Feather River | Left | 13.27      | 04/03/2018<br>04/04/2018 | Sterling York |

|  |                      |              |    |                        |               |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start   | 11.28                | Rating **    | M  | Issue No.              | 158           |
| LM End   | 11.28                | Issue Type + | En | Location *             |               |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |               |
|  |                      |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study |              |    | 38.799561 °            | 38.799561 °   |
|  |                      |              |    | -121.631964 °          | -121.631964 ° |
| DWR ID   |                      |              |    |                        |               |
| Comment Code   |                      |              |    |                        |               |
|  |                      |              |    |                        |               |
| Inspector Comment  |                      |              |    |                        |               |
| FS_ID:14548<br>DS_ID:22580<br>EP_NO: 3489<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: - siphon breaker on the landward shoulder not found.- cracked road surface along the pipe alienment. Needs more investigations.<br>FIELD_STRUCT_DESC: 16-inch irrigation discharge pipe of an unknown material through the levee, 3 feet below the crown. 40-horsepower slant pump mounted on a steel structure on the riverbank. Pipe discharges into a 36-inch concrete standpipe at the landside (LS) toe. (Pipe and 40-horsepower pump authorized under Permit No. 3489, 1960 - Kirtland Brothers). [Additional Reference(s): DWR Levee Log, 1993].<br>FS Date: 5/16/2013 |                      |              |    |                        |               |

Photo 1 of 3 : UCIP\_SP\_2018\_14548\_23970.jpg



WS- slant pump on river bank.

|          |       |              |    |            |            |
|----------|-------|--------------|----|------------|------------|
| LM Start | 11.28 | Rating **    | M  | Issue No.  | 158 (cont) |
| LM End   | 11.28 | Issue Type + | En | Location * |            |

Photo 2 of 3 : UCIP\_SP\_2018\_14548\_23969.jpg



Levee Crown- surface crack along pipe crossing. Needs more investigation.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway                  | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|---------------------------|------|------------|--------------------------|---------------|
| Unit No. 04 Feather River | Left | 13.27      | 04/03/2018<br>04/04/2018 | Sterling York |

|  |                      |              |    |                        |               |  |
|--|----------------------|--------------|----|------------------------|---------------|--|
| LM Start   | 11.28                | Rating **    | M  | Issue No.              | 158 (cont)    |  |
| LM End   | 11.28                | Issue Type + | En | Location *             |               |  |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |               |  |
|  |                      |              |    | Start                  | End           |  |
| Item   | DWR UCIP Field Study |              |    | 38.799561 °            | 38.799561 °   |  |
|  |                      |              |    | -121.631964 °          | -121.631964 ° |  |
| DWR ID   |                      |              |    |                        |               |  |
| Comment Code   |                      |              |    |                        |               |  |
|  |                      |              |    |                        |               |  |
| Inspector Comment  |                      |              |    |                        |               |  |
| FS_ID:14548  |                      |              |    |                        |               |  |
| DS_ID:22580  |                      |              |    |                        |               |  |
| EP_NO: 3489  |                      |              |    |                        |               |  |
| Repair Type: Non-Urgent  |                      |              |    |                        |               |  |
| Crossing Status: Found   |                      |              |    |                        |               |  |
| UCIP Comments: - siphon breaker on the landward shoulder not found.- cracked road surface along the pipe alienment. Needs more investigations.   |                      |              |    |                        |               |  |
| FIELD_STRUCT_DESC: 16-inch irrigation discharge pipe of an unknown material through the levee, 3 feet below the crown. 40-horsepower slant pump mounted on a steel structure on the riverbank. Pipe discharges into a 36-inch concrete standpipe at the landside (LS) toe. (Pipe and 40-horsepower pump authorized under Permit No. 3489, 1960 - Kirtland Brothers). [Additional Reference(s): DWR Levee Log, 1993]. |                      |              |    |                        |               |  |
| FS Date: 5/16/2013   |                      |              |    |                        |               |  |

Photo 3 of 3 : UCIP\_SP\_2018\_14548\_23968.jpg



WS- slant pump, pipe on steel piles.

|   |                                  |              |    |                        |               |
|---|----------------------------------|--------------|----|------------------------|---------------|
| LM Start  | 11.59                            | Rating **    | M  | Issue No.              | 1             |
| LM End  | 11.75                            | Issue Type + | Ma | Location *             | WS            |
| Category  | Supplemental                     |              |    | GPS Latitude/Longitude |               |
|   |                                  |              |    | Start                  | End           |
| Item  | 2015 USACE Erosion Survey, DRAFT |              |    | 38.795455 °            | 38.793394 °   |
|   |                                  |              |    | -121.629903 °          | -121.628156 ° |
| DWR ID  | DWR_RD1001_04_s_2016_1           |              |    |                        |               |
| Comment Code  |                                  |              |    |                        |               |
|   |                                  |              |    |                        |               |
| Inspector Comment   |                                  |              |    |                        |               |
| 1997- Deposits over top of cobble on the upper slope. 2000 - Old cobble site in poor shape; some toe retreat, but little change; steep bank. 2010 - Site extended upstream due to new toe erosion. 2012 - Minor new erosion at toe, new slumping, animals holes and cracks observed. 2015: No observed changes. [2015 Site ID: FHR_0-6_L] |                                  |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_38\_1\_20180302\_00001.jpg



USACE 2013 Photo #1

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway                  | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|---------------------------|------|------------|--------------------------|---------------|
| Unit No. 04 Feather River | Left | 13.27      | 04/03/2018<br>04/04/2018 | Sterling York |

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | 11.75                   | Rating **    | M  | Issue No.              | 50            |
| LM End  | 11.75                   | Issue Type + | Ma | Location *             | WS            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Slope Stability         |              |    | 38.793683 °            | 38.793683 °   |
|   |                         |              |    | -121.627742 °          | -121.627742 ° |
| DWR ID  | DWR_RD1001_04_f_2017_50 |              |    |                        |               |
| Comment Code  |                         |              |    |                        |               |
| S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible. |                         |              |    |                        |               |
| Inspector Comment   |                         |              |    |                        |               |
| Repair damage caused by vehicles, Fall 2017.  |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_38\_50\_20180302\_00038.jpg



View looking downstream waterside of damages cause by vehicles driving on the levee slope, Fall 2017.

|  |                         |              |     |                        |               |
|--|-------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 12.32                   | Rating **    | A/W | Issue No.              | 24            |
| LM End   | 12.41                   | Issue Type + | Ma  | Location *             | LS            |
| Category   | Earthen Levee           |              |     | GPS Latitude/Longitude |               |
|  |                         |              |     | Start                  | End           |
| Item   | Vegetation              |              |     | 38.787355 °            | 38.786507 °   |
|  |                         |              |     | -121.621165 °          | -121.619837 ° |
| DWR ID   | DWR_RD1001_04_s_2012_24 |              |     |                        |               |
| Comment Code   |                         |              |     |                        |               |
| V4 : Elderberries are blocking visibility and flood fight capability.      |                         |              |     |                        |               |
| Inspector Comment  |                         |              |     |                        |               |
| Elderberries bush has been trimmed for access and visibility, Spring 2018. |                         |              |     |                        |               |

No Photos

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start                                      | 12.44                   | Rating **    | M  | Issue No.              | 53            |
| LM End  | 12.44                   | Issue Type + | En | Location *             | LS            |
| Category                                      | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Encroachments           |              |    | 38.786444 °            | 38.786444 °   |
|   |                         |              |    | -121.619165 °          | -121.619165 ° |
| DWR ID  | DWR_RD1001_04_s_2018_53 |              |    |                        |               |
| Comment Code                                  |                         |              |    |                        |               |
| PR : Prunings                                 |                         |              |    |                        |               |
| Inspector Comment                             |                         |              |    |                        |               |
| Remove pruning's from levee toe, Spring 2018. |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_38\_53\_20180411\_00100.jpg



View looking downstream landside of pruning's on levee toe, Spring 2018.

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway                  | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|---------------------------|------|------------|--------------------------|---------------|
| Unit No. 04 Feather River | Left | 13.27      | 04/03/2018<br>04/04/2018 | Sterling York |

|                   |                         |              |    |                        |               |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start          | 12.48                   | Rating **    | U  | Issue No.              | 25            |
| LM End            | 12.48                   | Issue Type + | En | Location *             | LS            |
| Category          | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                   |                         |              |    | Start                  | End           |
| Item              | Encroachments           |              |    | 38.786073 °            | 38.786073 °   |
|                   |                         |              |    | -121.618522 °          | -121.618522 ° |
| DWR ID            | DWR_RD1001_04_s_2012_25 |              |    |                        |               |
| Comment Code      |                         |              |    |                        |               |
| BU : Building     |                         |              |    |                        |               |
| Inspector Comment |                         |              |    |                        |               |
|                   |                         |              |    |                        |               |

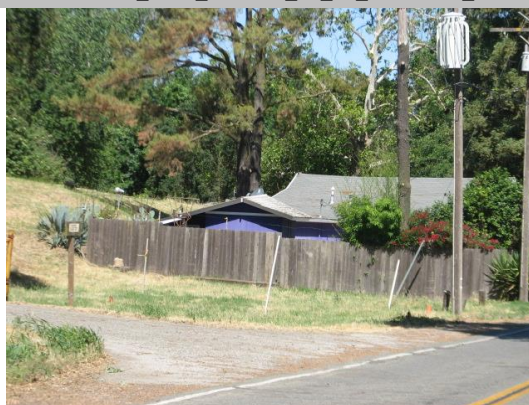
Photo 1 of 2 : SP\_2018\_RD1001\_38\_25\_20180302\_00014.jpg



A short section of the levee has limited access. Spring 2013

|          |       |              |    |            |           |
|----------|-------|--------------|----|------------|-----------|
| LM Start | 12.48 | Rating **    | U  | Issue No.  | 25 (cont) |
| LM End   | 12.48 | Issue Type + | En | Location * | LS        |

Photo 2 of 2 : SP\_2018\_RD1001\_38\_25\_20180302\_00015.jpg



A building is at the toe of the levee. Spring 2013

|  |                         |              |     |                        |               |
|--|-------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 12.65                   | Rating **    | A/W | Issue No.              | 26            |
| LM End   | 13.14                   | Issue Type + | Ma  | Location *             | LS            |
| Category   | Earthen Levee           |              |     | GPS Latitude/Longitude |               |
|  |                         |              |     | Start                  | End           |
| Item   | Vegetation              |              |     | 38.784513 °            | 38.781862 °   |
|  |                         |              |     | -121.616045 °          | -121.607855 ° |
| DWR ID   | DWR_RD1001_04_s_2012_26 |              |     |                        |               |
| Comment Code   |                         |              |     |                        |               |
| V4 : Elderberries are blocking visibility and flood fight capability.      |                         |              |     |                        |               |
| Inspector Comment  |                         |              |     |                        |               |
| Elderberries bush has been trimmed for access and visibility, Spring 2018. |                         |              |     |                        |               |

No Photos

|                 |                      |                          |   |                                   |  |
|-----------------|----------------------|--------------------------|---|-----------------------------------|--|
| * Location      |                      | ** Rating                |   | + Issue Type                      |  |
| LS : Land Side  | N/A : Not Applicable | A : Acceptable           | N : Not Inspected/Rated                 | Ma : Maintenance Deficiency       |  |
| WS : Water Side |                      | M : Minimally Acceptable | C : Corrected                           | Ob : Design & System Obsolescence |  |
| CR : Crown      |                      | U : Unacceptable         | A/W : Acceptable but Monitor & Maintain | En : Enforcement                  |  |

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

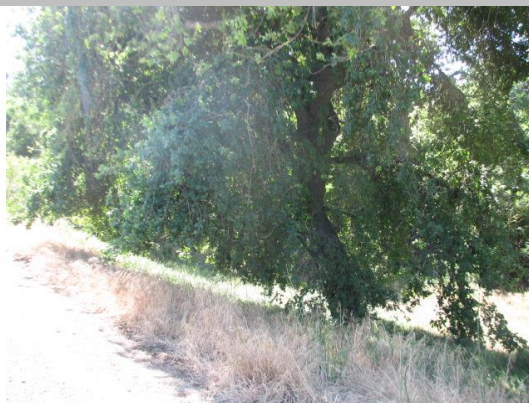
| Waterway                  | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|---------------------------|------|------------|--------------------------|---------------|
| Unit No. 04 Feather River | Left | 13.27      | 04/03/2018<br>04/04/2018 | Sterling York |

|  |                         |              |     |                        |               |
|--|-------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 12.67                   | Rating **    | A/W | Issue No.              | 11            |
| LM End   | 13.12                   | Issue Type + | Ma  | Location *             | WS            |
| Category   | Earthen Levee           |              |     | GPS Latitude/Longitude |               |
|  |                         |              |     | Start                  | End           |
| Item   | Vegetation              |              |     | 38.784579 °            | 38.782150 °   |
|  |                         |              |     | -121.615689 °          | -121.607918 ° |
| DWR ID   | DWR_RD1001_04_f_2013_11 |              |     |                        |               |
| Comment Code   |                         |              |     |                        |               |
| V4 : Elderberries are blocking visibility and flood fight capability.      |                         |              |     |                        |               |
| Inspector Comment  |                         |              |     |                        |               |
| Elderberries bush has been trimmed for access and visibility, Spring 2018. |                         |              |     |                        |               |

No Photos

|   |                          |              |     |                        |               |
|---|--------------------------|--------------|-----|------------------------|---------------|
| LM Start  | 12.82                    | Rating **    | A/W | Issue No.              | 151           |
| LM End  | 12.82                    | Issue Type + | Ma  | Location *             | WS            |
| Category  | Earthen Levee            |              |     | GPS Latitude/Longitude |               |
|   |                          |              |     | Start                  | End           |
| Item  | Trim / Thin Trees        |              |     | 38.783930 °            | 38.783930 °   |
|   |                          |              |     | -121.612952 °          | -121.612952 ° |
| DWR ID  | DWR_RD1001_04_s_2012_151 |              |     |                        |               |
| Comment Code  |                          |              |     |                        |               |
| T1 : Trim trees to at least five feet above ground level. |                          |              |     |                        |               |
| Inspector Comment   |                          |              |     |                        |               |
| Trim tree limbs for access and visibility, Fall 2017.     |                          |              |     |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_38\_151\_20180302\_00063.jpg



Trees need to be trimmed up at least 5 feet. Spring 2013

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable                      N : Not Inspected/Rated<br>M : Minimally Acceptable        C : Corrected<br>U : Unacceptable                  A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway                  | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|---------------------------|------|------------|--------------------------|---------------|
| Unit No. 04 Feather River | Left | 13.27      | 04/03/2018<br>04/04/2018 | Sterling York |

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | 12.86                   | Rating **    | C  | Issue No.              | 44            |
| LM End  | 12.90                   | Issue Type + | Ma | Location *             | LS            |
| Category  | Supplemental            |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | 2017 Storm Damage       |              |    | 38.783830 °            | 38.783610 °   |
|   |                         |              |    | -121.612240 °          | -121.611670 ° |
| DWR ID  | DWR_RD1001_04_f_2017_44 |              |    |                        |               |
| Comment Code  |                         |              |    |                        |               |
|   |                         |              |    |                        |               |
| Inspector Comment   |                         |              |    |                        |               |
| Levee Evaluation Comments   |                         |              |    |                        |               |
| Description:  |                         |              |    |                        |               |
| Site ID No:150  |                         |              |    |                        |               |
| Site Designation:RD 1001-01   |                         |              |    |                        |               |
| Repair Type: Erosion  |                         |              |    |                        |               |
| Rating:Area of Concern  |                         |              |    |                        |               |
| Field Date:8/3/2017   |                         |              |    |                        |               |
| Notes: 10' sack ring present, 2.5 ft wide 6" tall mound inside, small sinkhole nearby on landside ~3ft wide |                         |              |    |                        |               |

No Photos

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 13.12                   | Rating **    | C  | Issue No.              | 58            |
| LM End   | 13.12                   | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Trim / Thin Trees       |              |    | 38.782170 °            | 38.782170 °   |
|  |                         |              |    | -121.607935 °          | -121.607935 ° |
| DWR ID   | DWR_RD1001_04_f_2015_58 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| T1 : Trim trees to at least five feet above ground level.            |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
| Tree limbs have been trimmed for access and visibility, Spring 2018. |                         |              |    |                        |               |

No Photos

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2018 Levee Inspection Results**

**Reclamation District No. 1001 Nicolaus**

| Waterway                               |                         |                           | Bank                           | Unit Miles                      |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 05 Natomas Cross Canal        |                         |                           | Right                          | 5.39                            |
|  | Spring<br>(March - May) | Summer<br>(June - August) | (September - November)<br>Fall | Winter<br>(December - February) |
| Unit Maintenance Rating<br>(Fall Only) |                         |                           |                                |                                 |
| Date of Inspection                     | 4/5/2018 - 4/5/2018     |                           |                                |                                 |
| DWR Inspector                          | Sterling York           |                           |                                |                                 |
| Accompanied By                         | Joe Henderson<br>RD1001 |                           |                                |                                 |

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

# Reclamation District No. 1001 Nicolaus

| * Location  | ** Rating   | + Issue Type   |
|---|---|--|
| LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | A : Acceptable                      N : Not Inspected/Rated<br>M : Minimally Acceptable        C : Corrected<br>U : Unacceptable                  A/W : Acceptable but Monitor & Maintain | Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway                        | Bank  | Unit Miles | Inspection Start/End     | Inspector     |
|---------------------------------|-------|------------|--------------------------|---------------|
| Unit No. 05 Natomas Cross Canal | Right | 5.39       | 04/05/2018<br>04/05/2018 | Sterling York |

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | 0.06                    | Rating **    | M  | Issue No.              | 16            |
| LM End  | 0.06                    | Issue Type + | En | Location *             | LS            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Encroachments           |              |    | 38.781999 °            | 38.781999 °   |
|   |                         |              |    | -121.605182 °          | -121.605182 ° |
| DWR ID  | DWR_RD1001_05_f_2015_16 |              |    |                        |               |
| Comment Code  |                         |              |    |                        |               |
| RW : Retaining Wall   |                         |              |    |                        |               |
| Inspector Comment   |                         |              |    |                        |               |
| Retaining wall is into the landside levee toe, it is part of the carport. |                         |              |    |                        |               |

No Photos

|  |                      |              |    |                        |               |  |
|--|----------------------|--------------|----|------------------------|---------------|--|
| LM Start   | 0.79                 | Rating **    | M  | Issue No.              | 18            |  |
| LM End   | 0.79                 | Issue Type + | En | Location *             |               |  |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |               |  |
|  |                      |              |    | Start                  | End           |  |
| Item   | DWR UCIP Field Study |              |    | 38.790556 °            | 38.790556 °   |  |
|  |                      |              |    | -121.597477 °          | -121.597477 ° |  |
| DWR ID   |                      |              |    |                        |               |  |
| Comment Code   |                      |              |    |                        |               |  |
|  |                      |              |    |                        |               |  |
| Inspector Comment  |                      |              |    |                        |               |  |
| FS_ID:14393<br>DS_ID:22610<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: - needs repair of concrete piers on waterside. Rebar exposed from the pier. Even though this pier is functionally not linked to the pipe, it needs repair.<br>FIELD_STRUCT_DESC: 5 of 8: 24-inch reinforced concrete drainage discharge pipe through the levee, 25 feet below the crown. Five 60-inch by 84-inch reinforced concrete drainage tunnels through the levee, 25 feet below the crown. One tunnel has a 60-inch pump installed inside and is gated on the waterside (WS) end. Two 50-inch steel drainage discharge pipes through the levee, 25 feet below the crown. All tunnels and pipes are gated. Concrete headwall and railing along the landside (LS). (Reclamation District No. 1001). [Additional Reference(s): DWR Levee Log, 1993].<br>FS Date: 5/15/2013 |                      |              |    |                        |               |  |

Photo 1 of 3 : UCIP\_SP\_2018\_14393\_23697.jpg



Location of pipes and tunnels. 24-inch steel pipe located at 5th from the left.

| * Location                                      | ** Rating   | + Issue Type   |
|---|---|--|
| LS : Land Side<br>WS : Water Side<br>CR : Crown | A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable                      | Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
| N/A : Not Applicable                            | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  |

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway                        | Bank  | Unit Miles | Inspection Start/End     | Inspector     |
|---------------------------------|-------|------------|--------------------------|---------------|
| Unit No. 05 Natomas Cross Canal | Right | 5.39       | 04/05/2018<br>04/05/2018 | Sterling York |

|  |                      |              |    |                        |               |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start   | 0.79                 | Rating **    | M  | Issue No.              | 18 (cont)     |
| LM End   | 0.79                 | Issue Type + | En | Location *             |               |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |               |
|  |                      |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study |              |    | 38.790556 °            | 38.790556 °   |
|  |                      |              |    | -121.597477 °          | -121.597477 ° |
| DWR ID   |                      |              |    |                        |               |
| Comment Code   |                      |              |    |                        |               |
|  |                      |              |    |                        |               |
| Inspector Comment  |                      |              |    |                        |               |
| FS_ID:14393<br>DS_ID:22610<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: - needs repair of concrete piers on waterside. Rebar exposed from the pier. Even though this pier is functionally not linked to the pipe, it needs repair.<br>FIELD_STRUCT_DESC: 5 of 8: 24-inch reinforced concrete drainage discharge pipe through the levee, 25 feet below the crown. Five 60-inch by 84-inch reinforced concrete drainage tunnels through the levee, 25 feet below the crown. One tunnel has a 60-inch pump installed inside and is gated on the waterside (WS) end. Two 50-inch steel drainage discharge pipes through the levee, 25 feet below the crown. All tunnels and pipes are gated. Concrete headwall and railing along the landside (LS). (Reclamation District No. 1001). [Additional Reference(s): DWR Levee Log, 1993].<br>FS Date: 5/15/2013 |                      |              |    |                        |               |

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>0.79</b> | Rating **    | M  | Issue No.  | <b>18 (cont)</b> |
| LM End   | <b>0.79</b> | Issue Type + | En | Location * |                  |

Photo 2 of 3 : UCIP\_SP\_2018\_14393\_23696.jpg



LS- Drainage structure with tunnels, pipes and pump house. Tunnel 1 at far right and tunnel 5 at far left. The pipe is located inside tunnel 3.

Photo 3 of 3 : UCIP\_SP\_2018\_14393\_23799.jpg



WS- three steel pipes inside tunnel. Fifty inch pipes on left and right. Twenty four inch pipe in middle of the structure as shown.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable                      N : Not Inspected/Rated<br>M : Minimally Acceptable        C : Corrected<br>U : Unacceptable                  A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

## Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 1001 Nicolaus

| Waterway                        | Bank  | Unit Miles | Inspection Start/End     | Inspector     |
|---------------------------------|-------|------------|--------------------------|---------------|
| Unit No. 05 Natomas Cross Canal | Right | 5.39       | 04/05/2018<br>04/05/2018 | Sterling York |

|  |                                  |              |    |                        |               |
|--|----------------------------------|--------------|----|------------------------|---------------|
| LM Start   | 2.31                             | Rating **    | M  | Issue No.              | 1             |
| LM End   | 2.34                             | Issue Type + | Ma | Location *             | WS            |
| Category   | Supplemental                     |              |    | GPS Latitude/Longitude |               |
|  |                                  |              |    | Start                  | End           |
| Item   | 2015 USACE Erosion Survey, DRAFT |              |    | 38.803877 °            | 38.804206 °   |
|  |                                  |              |    | -121.575053 °          | -121.574529 ° |
| DWR ID   | DWR_RD1001_05_s_2016_1           |              |    |                        |               |
| Comment Code   |                                  |              |    |                        |               |
|  |                                  |              |    |                        |               |
| Inspector Comment  |                                  |              |    |                        |               |
| 2006 - Noted old saturation slumping of upper levee slope that is into the levee core (near high water line). 2011 - Erosion is into the top of the levee. This site is actually located at LM 2.5. 2015: Site is part of the extended inventory, last inspected 2011. [2015 Site ID: NCC_3-0_R] |                                  |              |    |                        |               |

No Photos

|                             |                        |              |    |                        |     |             |
|-----------------------------|------------------------|--------------|----|------------------------|-----|-------------|
| LM Start                    | 3.14                   | Rating **    | C  | Issue No.              | 6   |             |
| LM End                      | 3.14                   | Issue Type + | Ob | Location *             | LS  |             |
| Category                    | Supplemental           |              |    | GPS Latitude/Longitude |     |             |
|                             |                        |              |    | Start                  | End |             |
| Item                        | 2017 Storm Damage      |              |    | 38.811410              | °   | 38.811410   |
|                             |                        |              |    | -121.562910            | °   | -121.562910 |
| DWR ID                      | DWR_RD1001_05_f_2017_6 |              |    |                        |     |             |
| Comment Code                |                        |              |    |                        |     |             |
|                             |                        |              |    |                        |     |             |
| Inspector Comment           |                        |              |    |                        |     |             |
| Levee Evaluation Comments   |                        |              |    |                        |     |             |
| Description:                |                        |              |    |                        |     |             |
| Site ID No:151              |                        |              |    |                        |     |             |
| Site Designation:RD 1001-02 |                        |              |    |                        |     |             |
| Repair Type: Seepage (B)    |                        |              |    |                        |     |             |
| Rating:Critical             |                        |              |    |                        |     |             |
| Field Date:7/17/2017        |                        |              |    |                        |     |             |
| Notes:                      |                        |              |    |                        |     |             |

No Photos

|  |   |   |
|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|---|---|



**Flood Control Project Maintenance  
Levee Inspections**

## Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 1001 Nicolaus

| Waterway                        | Bank  | Unit Miles | Inspection Start/End     | Inspector     |
|---------------------------------|-------|------------|--------------------------|---------------|
| Unit No. 05 Natomas Cross Canal | Right | 5.39       | 04/05/2018<br>04/05/2018 | Sterling York |

|                   |                        |              |    |                        |               |
|-------------------|------------------------|--------------|----|------------------------|---------------|
| LM Start          | 3.56                   | Rating **    | M  | Issue No.              | 7             |
| LM End            | 3.81                   | Issue Type + | En | Location *             | LS            |
| Category          | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|                   |                        |              |    | Start                  | End           |
| Item              | Encroachments          |              |    | 38.814919 °            | 38.817178 °   |
|                   |                        |              |    | -121.556712 °          | -121.552965 ° |
| DWR ID            | DWR_RD1001_05_s_2012_7 |              |    |                        |               |
| Comment Code      |                        |              |    |                        |               |
| PO : Pole         |                        |              |    |                        |               |
| Inspector Comment |                        |              |    |                        |               |
|                   |                        |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_39\_7\_20180302\_00004.jpg



View of poles on the landside shoulder looking downstream. Fall 2017.

|                                  |                         |              |    |                        |               |
|----------------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start                         | 3.81                    | Rating **    | M  | Issue No.              | 10            |
| LM End                           | 3.81                    | Issue Type + | En | Location *             | LS            |
| Category                         | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                                  |                         |              |    | Start                  | End           |
| Item                             | Encroachments           |              |    | 38.817178 °            | 38.817178 °   |
|                                  |                         |              |    | -121.552965 °          | -121.552965 ° |
| DWR ID                           | DWR_RD1001_05_s_2012_10 |              |    |                        |               |
| Comment Code                     |                         |              |    |                        |               |
| TA : Tank                        |                         |              |    |                        |               |
| Inspector Comment                |                         |              |    |                        |               |
| Fuel tank at landside levee toe. |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_39\_10\_20180302\_00009.jpg



View of poles on the landside shoulder looking downstream. Fall 2017.

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway                        | Bank  | Unit Miles | Inspection Start/End     | Inspector     |
|---------------------------------|-------|------------|--------------------------|---------------|
| Unit No. 05 Natomas Cross Canal | Right | 5.39       | 04/05/2018<br>04/05/2018 | Sterling York |

|  |                      |              |    |                        |    |               |
|--|----------------------|--------------|----|------------------------|----|---------------|
| LM Start   | 3.81                 | Rating **    | M  | Issue No.              | 19 |               |
| LM End   | 3.81                 | Issue Type + | En | Location *             |    |               |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |    |               |
|  |                      |              |    | Start                  |    | End           |
| Item   | DWR UCIP Field Study |              |    | 38.817175 °            |    | 38.817175 °   |
|  |                      |              |    | -121.552946 °          |    | -121.552946 ° |
| DWR ID   |                      |              |    |                        |    |               |
| Comment Code   |                      |              |    |                        |    |               |
|  |                      |              |    |                        |    |               |
| Inspector Comment  |                      |              |    |                        |    |               |
| FS_ID:14486<br>DS_ID:22604<br>EP_NO: 1896<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: - slide gate in concrete box on waterside levee toe.-<br>cracked headwall on landside- working during field survey-<br>abandoned steel pipe, may need to remove it or properly adandoned.<br>FIELD_STRUCT_DESC: *ABANDONED* 1 of 3: 20-inch asbestos<br>bonded corrugated metal irrigation discharge pipe through the levee,<br>2.13 feet below the crown. Three vertical pumps on a wooden piling<br>structure in the stream. Walkway to the pumps. Slide gate in a concrete<br>box on the waterside (WS). (Permit No. 1896, [permit missing]).<br>[Additional Reference(s): DWR Levee Log, 1993].<br>FS Date: 5/15/2013 |                      |              |    |                        |    |               |

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>3.81</b> | Rating **    | M  | Issue No.  | <b>19 (cont)</b> |
| LM End   | <b>3.81</b> | Issue Type + | En | Location * |                  |

Photo 1 of 3 : UCIP\_SP\_2018\_14486\_23913.jpg



WS- pump station, walkway, and slide gate in concrete box.

Photo 2 of 3 : UCIP\_SP\_2018\_14486\_23912.jpg



WS- abandoned pipe adjacent to pump station on stream bank.

|  |  |  |  |   |  |   |  |
|--|--|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable |  | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|--|--|--|--|---|--|---|--|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway                        | Bank  | Unit Miles | Inspection Start/End     | Inspector     |
|---------------------------------|-------|------------|--------------------------|---------------|
| Unit No. 05 Natomas Cross Canal | Right | 5.39       | 04/05/2018<br>04/05/2018 | Sterling York |

|   |                      |              |    |                        |               |  |
|---|----------------------|--------------|----|------------------------|---------------|--|
| LM Start  | 3.81                 | Rating **    | M  | Issue No.              | 19 (cont)     |  |
| LM End  | 3.81                 | Issue Type + | En | Location *             |               |  |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |               |  |
|   |                      |              |    | Start                  | End           |  |
| Item  | DWR UCIP Field Study |              |    | 38.817175 °            | 38.817175 °   |  |
|   |                      |              |    | -121.552946 °          | -121.552946 ° |  |
| DWR ID  |                      |              |    |                        |               |  |
| Comment Code  |                      |              |    |                        |               |  |
|   |                      |              |    |                        |               |  |
| Inspector Comment   |                      |              |    |                        |               |  |
| FS_ID:14486   |                      |              |    |                        |               |  |
| DS_ID:22604   |                      |              |    |                        |               |  |
| EP_NO: 1896   |                      |              |    |                        |               |  |
| Repair Type: Non-Urgent   |                      |              |    |                        |               |  |
| Crossing Status: Found  |                      |              |    |                        |               |  |
| UCIP Comments: - slide gate in concrete box on waterside levee toe.-    |                      |              |    |                        |               |  |
| cracked headwall on landside- working during field survey-              |                      |              |    |                        |               |  |
| abandoned steel pipe, may need to remove it or properly adandoned.      |                      |              |    |                        |               |  |
| FIELD_STRUCT_DESC: *ABANDONED* 1 of 3: 20-inch asbestos                 |                      |              |    |                        |               |  |
| bonded corrugated metal irrigation discharge pipe through the levee,    |                      |              |    |                        |               |  |
| 2.13 feet below the crown. Three vertical pumps on a wooden piling      |                      |              |    |                        |               |  |
| structure in the stream. Walkway to the pumps. Slide gate in a concrete |                      |              |    |                        |               |  |
| box on the waterside (WS). (Permit No. 1896, [permit missing]).         |                      |              |    |                        |               |  |
| [Additional Reference(s): DWR Levee Log, 1993].                         |                      |              |    |                        |               |  |
| FS Date: 5/15/2013  |                      |              |    |                        |               |  |

Photo 3 of 3 : UCIP\_SP\_2018\_14486\_23911.jpg



WS- slide gate in concrete box on levee toe.

|   |                      |              |    |                        |               |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start  | 3.81                 | Rating **    | M  | Issue No.              | 20            |
| LM End  | 3.81                 | Issue Type + | En | Location *             |               |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |               |
|   |                      |              |    | Start                  | End           |
| Item  | DWR UCIP Field Study |              |    | 38.817175 °            | 38.817175 °   |
|   |                      |              |    | -121.552946 °          | -121.552946 ° |
| DWR ID  |                      |              |    |                        |               |
| Comment Code  |                      |              |    |                        |               |
|   |                      |              |    |                        |               |
| Inspector Comment   |                      |              |    |                        |               |
| FS_ID:14484<br>DS_ID:22595<br>EP_NO: 1896<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: - slide gate in concrete box on waterside levee toe.-<br>cracked headwall on landside- working during field survey<br>FIELD_STRUCT_DESC: *ABANDONED* 2 of 3: 20-inch asbestos<br>bonded corrugated metal irrigation discharge pipe through the levee,<br>2.13 feet below the crown. Three vertical pumps on a wooden piling<br>structure in the stream. Walkway to the pumps. Slide gate in a concrete<br>box on the waterside (WS). (Permit No. 1896, [permit missing]).<br>[Additional Reference(s): DWR Levee Log, 1993].<br>FS Date: 5/15/2013 |                      |              |    |                        |               |

Photo 1 of 3 : UCIP\_SP\_2018\_14484\_23894.jpg



WS- overview of pump station, walkway, and slide gate in concrete box.

|  |  |  |  |   |  |   |  |
|--|--|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable |  | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|--|--|--|--|---|--|---|--|



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway                        | Bank  | Unit Miles | Inspection Start/End     | Inspector     |
|---------------------------------|-------|------------|--------------------------|---------------|
| Unit No. 05 Natomas Cross Canal | Right | 5.39       | 04/05/2018<br>04/05/2018 | Sterling York |

|   |                      |              |    |                        |           |               |
|---|----------------------|--------------|----|------------------------|-----------|---------------|
| LM Start  | 3.81                 | Rating **    | M  | Issue No.              | 20 (cont) |               |
| LM End  | 3.81                 | Issue Type + | En | Location *             |           |               |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |           |               |
|   |                      |              |    | Start                  |           | End           |
| Item  | DWR UCIP Field Study |              |    | 38.817175 °            |           | 38.817175 °   |
|   |                      |              |    | -121.552946 °          |           | -121.552946 ° |
| DWR ID  |                      |              |    |                        |           |               |
| Comment Code  |                      |              |    |                        |           |               |
|   |                      |              |    |                        |           |               |
| Inspector Comment   |                      |              |    |                        |           |               |
| FS_ID:14484   |                      |              |    |                        |           |               |
| DS_ID:22595   |                      |              |    |                        |           |               |
| EP_NO: 1896   |                      |              |    |                        |           |               |
| Repair Type: Non-Urgent   |                      |              |    |                        |           |               |
| Crossing Status: Found  |                      |              |    |                        |           |               |
| UCIP Comments: - slide gate in concrete box on waterside levee toe.-    |                      |              |    |                        |           |               |
| cracked headwall on landside- working during field survey               |                      |              |    |                        |           |               |
| FIELD_STRUCT_DESC: *ABANDONED* 2 of 3: 20-inch asbestos                 |                      |              |    |                        |           |               |
| bonded corrugated metal irrigation discharge pipe through the levee,    |                      |              |    |                        |           |               |
| 2.13 feet below the crown. Three vertical pumps on a wooden piling      |                      |              |    |                        |           |               |
| structure in the stream. Walkway to the pumps. Slide gate in a concrete |                      |              |    |                        |           |               |
| box on the waterside (WS). (Permit No. 1896, [permit missing])).        |                      |              |    |                        |           |               |
| [Additional Reference(s): DWR Levee Log, 1993].                         |                      |              |    |                        |           |               |
| FS Date: 5/15/2013  |                      |              |    |                        |           |               |

Photo 2 of 3 : UCIP\_SP\_2018\_14484\_23898.jpg



WS- slide gate in concrete box on levee toe.

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>3.81</b> | Rating **    | M  | Issue No.  | <b>20 (cont)</b> |
| LM End   | <b>3.81</b> | Issue Type + | En | Location * |                  |

Photo 3 of 3 : UCIP\_SP\_2018\_14484\_23897.jpg



LS- overview of irrigation ditch on levee toe (top)

|  |   |   |
|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway                        | Bank  | Unit Miles | Inspection Start/End     | Inspector     |
|---------------------------------|-------|------------|--------------------------|---------------|
| Unit No. 05 Natomas Cross Canal | Right | 5.39       | 04/05/2018<br>04/05/2018 | Sterling York |

|  |                      |              |    |                        |               |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start   | 3.81                 | Rating **    | M  | Issue No.              | 21            |
| LM End   | 3.81                 | Issue Type + | En | Location *             |               |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |               |
|  |                      |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study |              |    | 38.817175 °            | 38.817175 °   |
|  |                      |              |    | -121.552946 °          | -121.552946 ° |
| DWR ID   |                      |              |    |                        |               |
| Comment Code   |                      |              |    |                        |               |
|  |                      |              |    |                        |               |
| Inspector Comment  |                      |              |    |                        |               |
| FS_ID:14472<br>DS_ID:22613<br>EP_NO: 1896<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: - slide gate in concrete box on waterside levee toe.-<br>cracked headwall on landside- working during field survey<br>FIELD_STRUCT_DESC: *ABANDONED* 3 of 3: 30-inch asbestos<br>bonded corrugated metal irrigation discharge pipe through the levee,<br>2.13 feet below the crown. Three vertical pumps on a wooden piling<br>structure in the stream. Walkway to the pumps. Slide gate in a concrete<br>box on the waterside (WS). (Permit No. 1896, [permit missing])).<br>[Additional Reference(s): DWR Levee Log, 1993].<br>FS Date: 5/15/2013 |                      |              |    |                        |               |

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>3.81</b> | Rating **    | M  | Issue No.  | <b>21 (cont)</b> |
| LM End   | <b>3.81</b> | Issue Type + | En | Location * |                  |

Photo 1 of 3 : UCIP\_SP\_2018\_14472\_23891.jpg



WS- pump station, walkway, and slide gate in concrete box on levee toe

Photo 2 of 3 : UCIP\_SP\_2018\_14472\_23890.jpg



WS- slide gate in concrete box on levee toe

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|

# Reclamation District No. 1001 Nicolaus

38.8261, -121.53474, 14.0m, 223°  
Jul 17, 2017 10:28:02 AM

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway                        | Bank  | Unit Miles | Inspection Start/End     | Inspector     |
|---------------------------------|-------|------------|--------------------------|---------------|
| Unit No. 05 Natomas Cross Canal | Right | 5.39       | 04/05/2018<br>04/05/2018 | Sterling York |

|                                  |                        |              |     |                        |              |  |
|----------------------------------|------------------------|--------------|-----|------------------------|--------------|--|
| LM Start                         | 5.05                   | Rating **    | A/W | Issue No.              | 8 (cont)     |  |
| LM End                           | 5.06                   | Issue Type + | Ma  | Location *             |              |  |
| Category                         | Supplemental           |              |     | GPS Latitude/Longitude |              |  |
|                                  |                        |              |     | Start                  | End          |  |
| Item                             | 2017 Storm Damage      |              |     | 38.828100°             | 38.828188°   |  |
|                                  |                        |              |     | -121.534740°           | -121.534625° |  |
| DWR ID                           | DWR_RD1001_05_f_2017_8 |              |     |                        |              |  |
| Comment Code                     |                        |              |     |                        |              |  |
|                                  |                        |              |     |                        |              |  |
| Inspector Comment                |                        |              |     |                        |              |  |
| Levee Evaluation Comments        |                        |              |     |                        |              |  |
| Description:                     |                        |              |     |                        |              |  |
| Site ID No:493                   |                        |              |     |                        |              |  |
| Site Designation:RD 1001-03      |                        |              |     |                        |              |  |
| Repair Type: Erosion             |                        |              |     |                        |              |  |
| Rating:Serious                   |                        |              |     |                        |              |  |
| Field Date:7/17/2017             |                        |              |     |                        |              |  |
| Notes: Serious per senior review |                        |              |     |                        |              |  |

|          |             |              |     |            |                 |
|----------|-------------|--------------|-----|------------|-----------------|
| LM Start | <b>5.05</b> | Rating **    | A/W | Issue No.  | <b>8 (cont)</b> |
| LM End   | <b>5.06</b> | Issue Type + | Ma  | Location * |                 |

Photo 2 of 3 : LEVAL\_SP\_2018\_493\_1762.jpg



Photo 3 of 3 : LEVAL\_SP\_2018\_493\_1763.jpg



|                 |                      |                          |   |                                   |  |
|-----------------|----------------------|--------------------------|---|-----------------------------------|--|
| * Location      |                      | ** Rating                |   | + Issue Type                      |  |
| LS : Land Side  | N/A : Not Applicable | A : Acceptable           | N : Not Inspected/Rated                 | Ma : Maintenance Deficiency       |  |
| WS : Water Side |                      | M : Minimally Acceptable | C : Corrected                           | Ob : Design & System Obsolescence |  |
| CR : Crown      |                      | U : Unacceptable         | A/W : Acceptable but Monitor & Maintain | En : Enforcement                  |  |

**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2018 Levee Inspection Results**

**Reclamation District No. 1001 Nicolaus**

| Waterway                               |                         |                           | Bank                           | Unit Miles                      |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 06 East Side Canal            |                         |                           | Right                          | 4.74                            |
|  | Spring<br>(March - May) | Summer<br>(June - August) | (September - November)<br>Fall | Winter<br>(December - February) |
| Unit Maintenance Rating<br>(Fall Only) |                         |                           |                                |                                 |
| Date of Inspection                     | 4/5/2018 - 4/5/2018     |                           |                                |                                 |
| DWR Inspector                          | Sterling York           |                           |                                |                                 |
| Accompanied By                         | Joe Henderson<br>RD1001 |                           |                                |                                 |

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway                    | Bank  | Unit Miles | Inspection Start/End     | Inspector     |
|-----------------------------|-------|------------|--------------------------|---------------|
| Unit No. 06 East Side Canal | Right | 4.74       | 04/05/2018<br>04/05/2018 | Sterling York |

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | 0.00                    | Rating **    | M  | Issue No.              | 16            |
| LM End  | 4.73                    | Issue Type + | Ma | Location *             | WS            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Vegetation              |              |    | 38.831074 °            | 38.896360 °   |
|   |                         |              |    | -121.529742 °          | -121.520353 ° |
| DWR ID  | DWR_RD1001_06_f_2017_16 |              |    |                        |               |
| Comment Code  |                         |              |    |                        |               |
| V1 : Control annual grass and weeds on the levee slopes and easements.                            |                         |              |    |                        |               |
| Inspector Comment   |                         |              |    |                        |               |
| Annual vegetation has grown back too tall and needs to be maintained for visibility, Spring 2018. |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_40\_16\_20180411\_00040.jpg



View looking upstream waterside of the annual vegetation that needs to be maintained for better visual inspection, Spring 2018.

|   |                        |              |    |                        |               |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start  | 0.00                   | Rating **    | M  | Issue No.              | 1             |
| LM End  | 4.73                   | Issue Type + | Ma | Location *             | LS            |
| Category  | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|   |                        |              |    | Start                  | End           |
| Item  | Vegetation             |              |    | 38.831074 °            | 38.896359 °   |
|   |                        |              |    | -121.529740 °          | -121.520353 ° |
| DWR ID  | DWR_RD1001_06_f_2017_1 |              |    |                        |               |
| Comment Code  |                        |              |    |                        |               |
| V1 : Control annual grass and weeds on the levee slopes and easements.                            |                        |              |    |                        |               |
| Inspector Comment   |                        |              |    |                        |               |
| Annual vegetation has grown back too tall and needs to be maintained for visibility, Spring 2018. |                        |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_40\_1\_20180411\_00041.jpg



View looking upstream landside of the annual vegetation that has gotten too tall and needs to be maintained for better visual inspection, Spring 2018.

|   |  |  |  |  |
|---|--|--|--|--|
| * Location<br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | ** Rating<br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | + Issue Type<br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|---|--|--|--|--|



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway                    | Bank  | Unit Miles | Inspection Start/End     | Inspector        |
|-----------------------------|-------|------------|--------------------------|------------------|
| Unit No. 06 East Side Canal | Right | 4.74       | 04/05/2018<br>04/05/2018 | Sterling<br>York |

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | 0.01                    | Rating **    | C  | Issue No.              | 18            |
| LM End  | 0.01                    | Issue Type + | Ma | Location *             | LS            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Trim / Thin Trees       |              |    | 38.831192 °            | 38.831192 °   |
|   |                         |              |    | -121.529580 °          | -121.529580 ° |
| DWR ID  | DWR_RD1001_06_s_2016_18 |              |    |                        |               |
| Comment Code  |                         |              |    |                        |               |
| T3 : Trim and thin trees to allow visibility of the ground and room to flood fight. |                         |              |    |                        |               |
| Inspector Comment   |                         |              |    |                        |               |
| Trees have been removed from levee toe, Spring 2018.                                |                         |              |    |                        |               |

No Photos

|                                     |                         |              |    |                        |               |
|-------------------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start                            | 0.02                    | Rating **    | M  | Issue No.              | 20            |
| LM End                              | 0.43                    | Issue Type + | En | Location *             | LS            |
| Category                            | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                                     |                         |              |    | Start                  | End           |
| Item                                | Encroachments           |              |    | 38.831243 °            | 38.836832 °   |
|                                     |                         |              |    | -121.529519 °          | -121.526810 ° |
| DWR ID                              | DWR_RD1001_06_f_2016_20 |              |    |                        |               |
| Comment Code                        |                         |              |    |                        |               |
| FE : Fence                          |                         |              |    |                        |               |
| Inspector Comment                   |                         |              |    |                        |               |
| Fence along the landside levee toe. |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_40\_20\_20180302\_00010.jpg



View of fence along the landside levee toe looking upstream. Fall 2016.

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | 0.95                    | Rating **    | M  | Issue No.              | 46            |
| LM End  | 0.95                    | Issue Type + | En | Location *             | LS            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Encroachments           |              |    | 38.844109 °            | 38.844109 °   |
|   |                         |              |    | -121.524375 °          | -121.524375 ° |
| DWR ID  | DWR_RD1001_06_s_2012_46 |              |    |                        |               |
| Comment Code  |                         |              |    |                        |               |
| TA : Tank   |                         |              |    |                        |               |
| Inspector Comment   |                         |              |    |                        |               |
| Propane tank is within the landside easement of the levee. Fall 2017. |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_40\_46\_20180302\_00014.jpg



View of a propane tank that is within the landside easement of the levee. Fall 2017.

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|--|--|---|--|---|--|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway                    | Bank  | Unit Miles | Inspection Start/End     | Inspector     |
|-----------------------------|-------|------------|--------------------------|---------------|
| Unit No. 06 East Side Canal | Right | 4.74       | 04/05/2018<br>04/05/2018 | Sterling York |

|   |                        |              |    |                        |               |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start                                      | 1.45                   | Rating **    | M  | Issue No.              | 3             |
| LM End  | 1.53                   | Issue Type + | En | Location *             | LS            |
| Category                                      | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|   |                        |              |    | Start                  | End           |
| Item  | Encroachments          |              |    | 38.851234 °            | 38.852445 °   |
|   |                        |              |    | -121.524421 °          | -121.524809 ° |
| DWR ID  | DWR_RD1001_06_s_2012_3 |              |    |                        |               |
| Comment Code                                  |                        |              |    |                        |               |
| EQ : Equipment                                |                        |              |    |                        |               |
| Inspector Comment                             |                        |              |    |                        |               |
| Remove equipment from levee toe, Spring 2018. |                        |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_40\_3\_20180411\_00043.jpg



View looking upstream of the equipment at the landside levee toe, Spring 2018.

|  |                      |              |    |                        |               |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start   | 1.72                 | Rating **    | M  | Issue No.              | 47            |
| LM End   | 1.72                 | Issue Type + | En | Location *             |               |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |               |
|  |                      |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study |              |    | 38.855186 °            | 38.855186 °   |
|  |                      |              |    | -121.524895 °          | -121.524895 ° |
| DWR ID   |                      |              |    |                        |               |
| Comment Code   |                      |              |    |                        |               |
|  |                      |              |    |                        |               |
| Inspector Comment  |                      |              |    |                        |               |
| FS_ID:14244<br>DS_ID:22617<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: - visible damage to pipe on opening at inlet due to high corrosion.- video inspection recommended.<br>FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 12.5 feet below the crown. Slide gate in a 48-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete headwall at the landside (LS) toe. Pipe crosses under the channel. [Additional Reference(s): DWR Levee Log, 1993].<br>FS Date: 5/15/2013 |                      |              |    |                        |               |

Photo 1 of 3 : UCIP\_SP\_2018\_14244\_23467.jpg



WS- slide gate in CMP riser on levee slope.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway                    | Bank  | Unit Miles | Inspection Start/End     | Inspector     |
|-----------------------------|-------|------------|--------------------------|---------------|
| Unit No. 06 East Side Canal | Right | 4.74       | 04/05/2018<br>04/05/2018 | Sterling York |

|  |                      |              |    |                        |               |  |
|--|----------------------|--------------|----|------------------------|---------------|--|
| LM Start   | 1.72                 | Rating **    | M  | Issue No.              | 47 (cont)     |  |
| LM End   | 1.72                 | Issue Type + | En | Location *             |               |  |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |               |  |
|  |                      |              |    | Start                  | End           |  |
| Item   | DWR UCIP Field Study |              |    | 38.855186 °            | 38.855186 °   |  |
|  |                      |              |    | -121.524895 °          | -121.524895 ° |  |
| DWR ID   |                      |              |    |                        |               |  |
| Comment Code   |                      |              |    |                        |               |  |
|  |                      |              |    |                        |               |  |
|  |                      |              |    |                        |               |  |
| Inspector Comment  |                      |              |    |                        |               |  |
| FS_ID:14244<br>DS_ID:22617<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: - visible damage to pipe on opening at inlet due to high corrosion.- video inspection recommended.<br>FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 12.5 feet below the crown. Slide gate in a 48-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete headwall at the landside (LS) toe. Pipe crosses under the channel. [Additional Reference(s): DWR Levee Log, 1993].<br>FS Date: 5/15/2013 |                      |              |    |                        |               |  |

|          |      |              |    |            |           |
|----------|------|--------------|----|------------|-----------|
| LM Start | 1.72 | Rating **    | M  | Issue No.  | 47 (cont) |
| LM End   | 1.72 | Issue Type + | En | Location * |           |

Photo 2 of 3 : UCIP\_SP\_2018\_14244\_23466.jpg



WS- slide gate, air vent pipe in CMP riser on levee slope.

Photo 3 of 3 : UCIP\_SP\_2018\_14244\_23465.jpg



WS- pipe opening visible inside CMP riser.

|  |  |  |  |   |   |
|--|--|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable |  | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|--|--|---|---|



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway                    | Bank  | Unit Miles | Inspection Start/End     | Inspector     |
|-----------------------------|-------|------------|--------------------------|---------------|
| Unit No. 06 East Side Canal | Right | 4.74       | 04/05/2018<br>04/05/2018 | Sterling York |

|  |                      |              |    |                        |               |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start   | 2.03                 | Rating **    | M  | Issue No.              | 48            |
| LM End   | 2.03                 | Issue Type + | En | Location *             |               |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |               |
|  |                      |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study |              |    | 38.859601 °            | 38.859601 °   |
|  |                      |              |    | -121.524885 °          | -121.524885 ° |
| DWR ID   |                      |              |    |                        |               |
| Comment Code   |                      |              |    |                        |               |
|  |                      |              |    |                        |               |
| Inspector Comment  |                      |              |    |                        |               |
| FS_ID:14223<br>DS_ID:22616<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: - pipe burried/submerged on LS- needs cleaning of LS pipe end opening.<br>FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 15.5 feet below the crown. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete headwall at the landside (LS) toe. Pipe crosses under the channel. [Additional Reference(s): DWR Levee Log, 1993].<br>FS Date: 5/15/2013 |                      |              |    |                        |               |

Photo 1 of 3 : UCIP\_SP\_2018\_14223\_23445.jpg



WS- slide gate in CMP riser on levee slope.

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>2.03</b> | Rating **    | M  | Issue No.  | <b>48 (cont)</b> |
| LM End   | <b>2.03</b> | Issue Type + | En | Location * |                  |

Photo 2 of 3 : UCIP\_SP\_2018\_14223\_23444.jpg



LS- concrete wing wall on levee toe

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway                    | Bank  | Unit Miles | Inspection Start/End     | Inspector     |
|-----------------------------|-------|------------|--------------------------|---------------|
| Unit No. 06 East Side Canal | Right | 4.74       | 04/05/2018<br>04/05/2018 | Sterling York |

|  |                      |              |    |                        |               |  |
|--|----------------------|--------------|----|------------------------|---------------|--|
| LM Start   | 2.03                 | Rating **    | M  | Issue No.              | 48 (cont)     |  |
| LM End   | 2.03                 | Issue Type + | En | Location *             |               |  |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |               |  |
|  |                      |              |    | Start                  | End           |  |
| Item   | DWR UCIP Field Study |              |    | 38.859601 °            | 38.859601 °   |  |
|  |                      |              |    | -121.524885 °          | -121.524885 ° |  |
| DWR ID   |                      |              |    |                        |               |  |
| Comment Code   |                      |              |    |                        |               |  |
|  |                      |              |    |                        |               |  |
| Inspector Comment  |                      |              |    |                        |               |  |
| FS_ID:14223<br>DS_ID:22616<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: - pipe burried/submerged on LS- needs cleaning of LS pipe end opening.<br>FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 15.5 feet below the crown. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete headwall at the landside (LS) toe. Pipe crosses under the channel. [Additional Reference(s): DWR Levee Log, 1993].<br>FS Date: 5/15/2013 |                      |              |    |                        |               |  |

Photo 3 of 3 : UCIP\_SP\_2018\_14223\_23443.jpg



LS- pipe submerged/buried in concrete wing wall on levee toe

|  |                                       |              |     |                        |               |
|--|---------------------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 2.05                                  | Rating **    | A/W | Issue No.              | 8             |
| LM End   | 2.05                                  | Issue Type + | Ma  | Location *             | CR            |
| Category   | Earthen Levee                         |              |     | GPS Latitude/Longitude |               |
|  |                                       |              |     | Start                  | End           |
| Item   | Crown Surface / Depressions / Rutting |              |     | 38.860002 °            | 38.860002 °   |
|  |                                       |              |     | -121.524873 °          | -121.524873 ° |
| DWR ID   | DWR_RD1001_06_s_2012_8                |              |     |                        |               |
| Comment Code   |                                       |              |     |                        |               |
| C2 : Repair depressions or ruts in the crown or slope.                   |                                       |              |     |                        |               |
| Inspector Comment  |                                       |              |     |                        |               |
| Crown where there is cross traffic. Monitor this area and fix as needed. |                                       |              |     |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_40\_8\_20180302\_00004.jpg



View of crown where there is cross traffic looking upstream. Monitor this area and fix as needed, Fall 2017.

|  |   |   |
|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway                    | Bank  | Unit Miles | Inspection Start/End     | Inspector     |
|-----------------------------|-------|------------|--------------------------|---------------|
| Unit No. 06 East Side Canal | Right | 4.74       | 04/05/2018<br>04/05/2018 | Sterling York |

|          |                      |              |    |                        |               |
|----------|----------------------|--------------|----|------------------------|---------------|
| LM Start | 2.29                 | Rating **    | U  | Issue No.              | 49            |
| LM End   | 2.29                 | Issue Type + | En | Location *             |               |
| Category | Supplemental         |              |    | GPS Latitude/Longitude |               |
|          |                      |              |    | Start                  | End           |
| Item     | DWR UCIP Field Study |              |    | 38.863385 °            | 38.863385 °   |
|          |                      |              |    | -121.524866 °          | -121.524866 ° |
| DWR ID   |                      |              |    |                        |               |

**Comment Code**

**Inspector Comment**

FS\_ID:50692  
DS\_ID:22622  
EP\_NO: 12208  
Repair Type: Urgent  
Crossing Status: Found  
UCIP Comments: 07/13/2016 Depression on WS berm has been backfilled, but the cause of the erosion was not addressed to my knowledge. As such, pipe integrity problem may still exist. Vegetation growth surrounds pipe on WS berm, in strike contrast to dry grass away from pipe alignment. This could be due to channel draining toward the pipe, or an indication of pipe leakage. (K. Fazel - UCIP)05/15/2013:- large pit at pipe daylight on WS berm, may be due to pipe leakage.- siphon breaker on LS shoulder not found. (P. Amatya - DWR)  
FIELD\_STRUCT\_DESC: 16-inch steel irrigation discharge pipe through the levee, 3 feet below the crown. 16-inch low-lift pump in the channel with a 1-inch electrical line also penetrating the levee to the power pole off the landside (LS) toe. 36-inch corrugated metal pipe (CMP) riser on the bank. Vent on the LS shoulder. Siphon breaker/vent on the apex of the pipe near the waterside (WS) pump. Standpipe off the LS toe. Pipe used seasonally only in the absence of groundwater, as per District President Joe Henderson. (16-inch irrigation pipe and 16-inch low-lift pump authorized under Permit No. 12208, 1977 - Thomas A. Cuguet).  
[Additional Reference(s): DWR Levee Log, 1993].  
FS Date: 7/13/2016

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>2.29</b> | Rating **    | U  | Issue No.  | <b>49 (cont)</b> |
| LM End   | <b>2.29</b> | Issue Type + | En | Location * |                  |

Photo 1 of 3 : UCIP\_SP\_2018\_50692\_23427.jpg



WS- pump and pipe on river bank

Photo 2 of 3 : UCIP\_SP\_2018\_50692\_23429.jpg



WS- large depression on levee berm

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|





## Reclamation District No. 1001 Nicolaus

| Waterway                    | Bank  | Unit Miles | Inspection Start/End     | Inspector        |
|-----------------------------|-------|------------|--------------------------|------------------|
| Unit No. 06 East Side Canal | Right | 4.74       | 04/05/2018<br>04/05/2018 | Sterling<br>York |

|          |                      |              |    |                        |               |
|----------|----------------------|--------------|----|------------------------|---------------|
| LM Start | 3.03                 | Rating **    | M  | Issue No.              | 50            |
| LM End   | 3.03                 | Issue Type + | En | Location *             |               |
| Category | Supplemental         |              |    | GPS Latitude/Longitude |               |
|          |                      |              |    | Start                  | End           |
| Item     | DWR UCIP Field Study |              |    | 38.874217 °            | 38.874217 °   |
|          |                      |              |    | -121.524807 °          | -121.524807 ° |
| DWR ID   |                      |              |    |                        |               |

Comment Code

[illegible]

| Inspector Comment |
|-------------------|
|                   |

FS ID:41674

DS ID:22629

EP NO: 2768

Repair Type: Non-Urgent

Crossing Status: Found

UCIP Comments: Pipe appears abandoned and if so should be done so properly.- Pipe capped on waterside.- a concrete pipe support saddle found on waterside levee slope.- also, an abandoned pipe found on landside levee slope.

FIELD\_STRUCT\_DESC: 14-inch steel irrigation discharge pipe through the levee, 1.3 feet below the crown. Pump on the waterside (WS) toe removed. Gate valve on the WS slope removed. Pipe exposed on both slopes. Pipe discharges into a culvert on the landside (LS) toe which traverses under Pacific Avenue. (Removal and replacement of pump authorized under Permit No. 2768, 1958 - George N. Darrach).

[Additional Reference(s): DWR Levee Log, 1993].

FS Date: 5/15/2013

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>3.03</b> | Rating **    | M  | Issue No.  | <b>50 (cont)</b> |
| LM End   | <b>3.03</b> | Issue Type + | En | Location * |                  |

WS- an abandoned pipe on levee slope



WS- an abandoned end capped pipe on levee slope

| * Location  | ** Rating   | + Issue Type   |
|---|---|--|
| LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | A : Acceptable                      N : Not Inspected/Rated<br>M : Minimally Acceptable        C : Corrected<br>U : Unacceptable                  A/W : Acceptable but Monitor & Maintain | Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |

# Reclamation District No. 1001 Nicolaus

WS- concrete pipe support saddle.

LS- vegetation on CMP end.

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway                    | Bank  | Unit Miles | Inspection Start/End     | Inspector     |
|-----------------------------|-------|------------|--------------------------|---------------|
| Unit No. 06 East Side Canal | Right | 4.74       | 04/05/2018<br>04/05/2018 | Sterling York |

|   |                      |              |    |                        |           |               |
|---|----------------------|--------------|----|------------------------|-----------|---------------|
| LM Start  | 3.28                 | Rating **    | M  | Issue No.              | 51 (cont) |               |
| LM End  | 3.28                 | Issue Type + | En | Location *             |           |               |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |           |               |
|   |                      |              |    | Start                  |           | End           |
| Item  | DWR UCIP Field Study |              |    | 38.877706 °            |           | 38.877706 °   |
|   |                      |              |    | -121.524787 °          |           | -121.524787 ° |
| DWR ID  |                      |              |    |                        |           |               |
| Comment Code  |                      |              |    |                        |           |               |
|   |                      |              |    |                        |           |               |
| Inspector Comment   |                      |              |    |                        |           |               |
| FS_ID:14167<br>DS_ID:22630<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: - pipe opens in irrigation ditch on landside.-<br>vegetation cleaning on LS pipe opening.<br>FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe<br>through the levee, 12 feet below the crown. Slide gate in a 36-inch<br>corrugated metal pipe (CMP) riser on the waterside (WS) slope.<br>Concrete headwall at the landside (LS) toe. Pipe crosses under the<br>channel. [Additional Reference(s): DWR Levee Log, 1993].<br>FS Date: 5/15/2013 |                      |              |    |                        |           |               |

Photo 2 of 3 : UCIP\_SP\_2018\_14167\_23395.jpg



LS- CMP opens in irrigation ditch.

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>3.28</b> | Rating **    | M  | Issue No.  | <b>51 (cont)</b> |
| LM End   | <b>3.28</b> | Issue Type + | En | Location * |                  |

Photo 3 of 3 : UCIP\_SP\_2018\_14167\_23397.jpg



WS- slide gate in CMP riser on levee slope

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway                    | Bank  | Unit Miles | Inspection Start/End     | Inspector     |
|-----------------------------|-------|------------|--------------------------|---------------|
| Unit No. 06 East Side Canal | Right | 4.74       | 04/05/2018<br>04/05/2018 | Sterling York |

|  |                      |              |    |                        |               |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start   | 3.43                 | Rating **    | M  | Issue No.              | 52            |
| LM End   | 3.43                 | Issue Type + | En | Location *             |               |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |               |
|  |                      |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study |              |    | 38.879960 °            | 38.879960 °   |
|  |                      |              |    | -121.524780 °          | -121.524780 ° |
| DWR ID   |                      |              |    |                        |               |
| Comment Code   |                      |              |    |                        |               |
|  |                      |              |    |                        |               |
| Inspector Comment  |                      |              |    |                        |               |
| FS_ID:13523<br>DS_ID:22619<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: - needs filling/plugging gap between 4-inch and 10-inch pipes.<br>FIELD_STRUCT_DESC: 1 of 2: Capped 4-inch steel irrigation pipe sleeved through a 10-inch steel pipe, at an unknown depth. Pipe exposed just off the top of the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 1993].<br>FS Date: 5/15/2013 |                      |              |    |                        |               |

Photo 1 of 2 : UCIP\_SP\_2018\_13523\_22121.jpg



WS- a 4-inch steel pipe sleeved through 10-inch steel pipe.

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>3.43</b> | Rating **    | M  | Issue No.  | <b>52 (cont)</b> |
| LM End   | <b>3.43</b> | Issue Type + | En | Location * |                  |

Photo 2 of 2 : UCIP\_SP\_2018\_13523\_22120.jpg



WS- gap between two pipes needs to be filled.

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|

## Reclamation District No. 1001 Nicolaus





# Reclamation District No. 1001 Nicolaus

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway                    | Bank  | Unit Miles | Inspection Start/End     | Inspector     |
|-----------------------------|-------|------------|--------------------------|---------------|
| Unit No. 06 East Side Canal | Right | 4.74       | 04/05/2018<br>04/05/2018 | Sterling York |

|  |                                       |              |     |                        |               |
|--|---------------------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 4.33                                  | Rating **    | A/W | Issue No.              | 19            |
| LM End   | 4.33                                  | Issue Type + | Ma  | Location *             | CR            |
| Category   | Earthen Levee                         |              |     | GPS Latitude/Longitude |               |
|  |                                       |              |     | Start                  | End           |
| Item   | Crown Surface / Depressions / Rutting |              |     | 38.892999 °            | 38.892999 °   |
|  |                                       |              |     | -121.524711 °          | -121.524711 ° |
| DWR ID   | DWR_RD1001_06_f_2013_19               |              |     |                        |               |
| Comment Code   |                                       |              |     |                        |               |
| C2 : Repair depressions or ruts in the crown or slope.                   |                                       |              |     |                        |               |
| Inspector Comment  |                                       |              |     |                        |               |
| Crown where there is cross traffic. Monitor this area and fix as needed. |                                       |              |     |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_40\_19\_20180302\_00009.jpg



View of crown where there is cross traffic looking upstream. Monitor this area and fix as needed, Fall 2017.

|   |                      |              |    |                        |               |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start  | 4.36                 | Rating **    | M  | Issue No.              | 55            |
| LM End  | 4.36                 | Issue Type + | En | Location *             |               |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |               |
|   |                      |              |    | Start                  | End           |
| Item  | DWR UCIP Field Study |              |    | 38.893448 °            | 38.893448 °   |
|   |                      |              |    | -121.524719 °          | -121.524719 ° |
| DWR ID  |                      |              |    |                        |               |
| Comment Code  |                      |              |    |                        |               |
|   |                      |              |    |                        |               |
| Inspector Comment   |                      |              |    |                        |               |
| FS_ID:41724<br>DS_ID:22618<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: - damaged head/wing wall in inlet structure.<br>FIELD_STRUCT_DESC: 30-inch corrugated metal gravity irrigation pipe through the levee, 15.9 feet below the crown. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the waterward slope. Pipe discharges into a large irrigation ditch on the west side of Pacific Avenue. (Joplin and South Sutter Water District). [Additional Reference(s): DWR Levee Log, 1993].<br>FS Date: 5/15/2013 |                      |              |    |                        |               |

Photo 1 of 3 : UCIP\_SP\_2018\_41724\_22034.jpg



WS- slide gate in CMP riser.

|   |  |  |  |  |  |
|---|--|--|--|--|--|
| * Location<br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | ** Rating<br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | + Issue Type<br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|---|--|--|--|--|--|



**Flood Control Project Maintenance  
Levee Inspections**

## Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 1001 Nicolaus

| Waterway                    | Bank  | Unit Miles | Inspection Start/End     | Inspector     |
|-----------------------------|-------|------------|--------------------------|---------------|
| Unit No. 06 East Side Canal | Right | 4.74       | 04/05/2018<br>04/05/2018 | Sterling York |

|   |                      |              |    |                        |               |  |
|---|----------------------|--------------|----|------------------------|---------------|--|
| LM Start  | 4.36                 | Rating **    | M  | Issue No.              | 55 (cont)     |  |
| LM End  | 4.36                 | Issue Type + | En | Location *             |               |  |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |               |  |
|   |                      |              |    | Start                  | End           |  |
| Item  | DWR UCIP Field Study |              |    | 38.893448 °            | 38.893448 °   |  |
|   |                      |              |    | -121.524719 °          | -121.524719 ° |  |
| DWR ID  |                      |              |    |                        |               |  |
| Comment Code  |                      |              |    |                        |               |  |
|   |                      |              |    |                        |               |  |
|   |                      |              |    |                        |               |  |
| Inspector Comment   |                      |              |    |                        |               |  |
| FS_ID:41724   |                      |              |    |                        |               |  |
| DS_ID:22618   |                      |              |    |                        |               |  |
| EP_NO: N/A  |                      |              |    |                        |               |  |
| Repair Type: Non-Urgent   |                      |              |    |                        |               |  |
| Crossing Status: Found  |                      |              |    |                        |               |  |
| UCIP Comments: - damaged head/wing wall in inlet structure.   |                      |              |    |                        |               |  |
| FIELD_STRUCT_DESC: 30-inch corrugated metal gravity irrigation pipe through the levee, 15.9 feet below the crown. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the waterward slope. Pipe discharges into a large irrigation ditch on the west side of Pacific Avenue. (Joplin and South Sutter Water District). [Additional Reference(s): DWR Levee Log, 1993]. |                      |              |    |                        |               |  |
| FS Date: 5/15/2013  |                      |              |    |                        |               |  |

Photo 2 of 3 : UCIP\_SP\_2018\_41724\_22033.jpg



WS- inlet wing wall with trashrack

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>4.36</b> | Rating **    | M  | Issue No.  | <b>55 (cont)</b> |
| LM End   | <b>4.36</b> | Issue Type + | En | Location * |                  |

Photo 3 of 3 : UCIP\_SP\_2018\_41724\_22032.jpg



WS- inlet pipe with trashrack in a damaged wing wall

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway                    | Bank  | Unit Miles | Inspection Start/End     | Inspector     |
|-----------------------------|-------|------------|--------------------------|---------------|
| Unit No. 06 East Side Canal | Right | 4.74       | 04/05/2018<br>04/05/2018 | Sterling York |

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | 4.38                    | Rating **    | N  | Issue No.              | 22            |
| LM End  | 4.38                    | Issue Type + | Ma | Location *             | LS            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Trim / Thin Trees       |              |    | 38.893728 °            | 38.893728 °   |
|   |                         |              |    | -121.524715 °          | -121.524715 ° |
| DWR ID  | DWR_RD1001_06_f_2016_22 |              |    |                        |               |
| Comment Code  |                         |              |    |                        |               |
| T5 : Tree stumps.   |                         |              |    |                        |               |
| Inspector Comment   |                         |              |    |                        |               |
| A stump at the landside levee toe needs to be removed, Fall 2017. |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_40\_22\_20180302\_00011.jpg



View of a stump at the landside levee toe. Fall 2017.

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | 4.48                    | Rating **    | M  | Issue No.              | 17            |
| LM End  | 4.48                    | Issue Type + | Ma | Location *             | LS            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Trim / Thin Trees       |              |    | 38.895234 °            | 38.895234 °   |
|   |                         |              |    | -121.524514 °          | -121.524514 ° |
| DWR ID  | DWR_RD1001_06_f_2017_17 |              |    |                        |               |
| Comment Code  |                         |              |    |                        |               |
| T1 : Trim trees to at least five feet above ground level. |                         |              |    |                        |               |
| Inspector Comment   |                         |              |    |                        |               |
| Trim tree limbs for access and visibility, Fall 2017.     |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2018\_RD1001\_40\_17\_20180302\_00006.jpg



View looking upstream landside at trees that need to be trimmed for access and visibility, Fall 2017.

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 4.71                    | Rating **    | M  | Issue No.              | 24            |
| LM End   | 4.71                    | Issue Type + | Ma | Location *             |               |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Encroachments           |              |    | 38.896310 °            | 38.896310 °   |
|  |                         |              |    | -121.520674 °          | -121.520674 ° |
| DWR ID   | DWR_RD1001_06_f_2016_24 |              |    |                        |               |
| Comment Code                                     |                         |              |    |                        |               |
| DE : Debris                                      |                         |              |    |                        |               |
| Inspector Comment                                |                         |              |    |                        |               |
| Old peace of pipe lying on landside levee slope. |                         |              |    |                        |               |

Photo 1 of 2 : SP\_2018\_RD1001\_40\_24\_20180302\_00012.jpg



View of an old piece of pipe lying on landside levee slope looking upstream. Fall 2017.

\* Location  
LS : Land Side N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable N : Not Inspected/Rated  
M : Minimally Acceptable C : Corrected  
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 1001 Nicolaus**

| Waterway                    | Bank  | Unit Miles | Inspection Start/End     | Inspector     |
|-----------------------------|-------|------------|--------------------------|---------------|
| Unit No. 06 East Side Canal | Right | 4.74       | 04/05/2018<br>04/05/2018 | Sterling York |

|  |                         |              |    |                        |               |  |
|--|-------------------------|--------------|----|------------------------|---------------|--|
| LM Start   | 4.71                    | Rating **    | M  | Issue No.              | 24 (cont)     |  |
| LM End   | 4.71                    | Issue Type + | Ma | Location *             |               |  |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |  |
|  |                         |              |    | Start                  | End           |  |
| Item   | Encroachments           |              |    | 38.896310 °            | 38.896310 °   |  |
|  |                         |              |    | -121.520674 °          | -121.520674 ° |  |
| DWR ID   | DWR_RD1001_06_f_2016_24 |              |    |                        |               |  |
| Comment Code                                     |                         |              |    |                        |               |  |
| DE : Debris                                      |                         |              |    |                        |               |  |
| Inspector Comment                                |                         |              |    |                        |               |  |
| Old peace of pipe lying on landside levee slope. |                         |              |    |                        |               |  |

Photo 2 of 2 : SP\_2018\_RD1001\_40\_24\_20180302\_00013.jpg



View of an old piece of pipe lying on landside levee slope looking upstream. Fall 2016.

|  |   |   |
|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|---|---|